

INTEGRATED PRODUCTION
AND TEST ENGINEERING

Calle Alambiques #975, Int. 09, Parque Industrial el Alamo
Tlaquepaque, Jal. CP 44490
Mexico

Phone: +52 (33) 3675 5597
Fax: +52 (33) 3632 7775

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PROJECT NAME: Audi GW3.1 Mid & High Housing Variant Assembly Line

JOB NR. IPTE: G17-21-LEA

PROJECT LEADER: Ian Barrell

ELECTRICAL ENGINEER: Luis Benitez

ENGINEERING MANAGER: Eugenio Escobedo

GENERAL VOLTAGE: 220VAC; 3~/120VAC

TOTAL PAGES: 64

CONTROL VOLTAGE: 24 VDC

MAJOR VERSION: A

AIR SUPPLY: 80 PSI

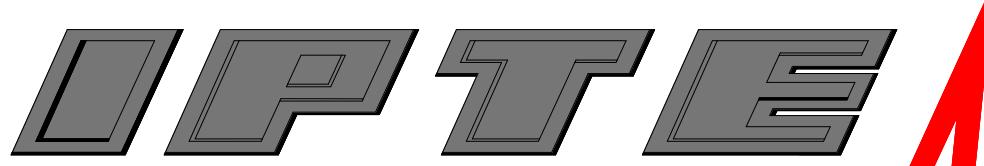
CREATION DATE: 23/July/2017

NOMINAL CURRENT: 30 A, 120 VAC.

DESIGN NUMBER: G17_21_LEA.CP1

PLC SYSTEM: OMRON

CLIENT MACHINE NUMBER: LEAR



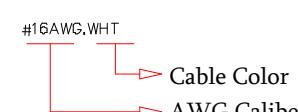
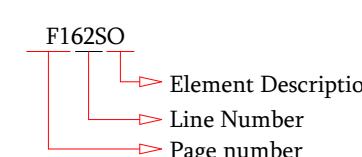
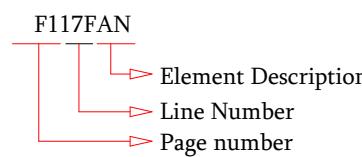
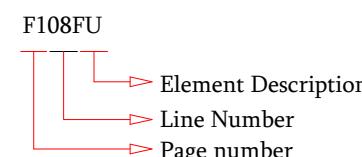
INTEGRATED PRODUCTION
AND TEST ENGINEERING

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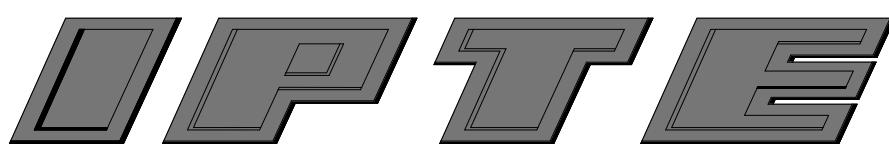
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NOMENCLATURE INDEX



- A: Amplifiers, speed regulators, PLCs.
- B: Transducers, sensors, optical switches.
- E: Lights, heaters.
- F: Fuses, current protectors.
- G: Generator, battery, power supply.
- H: Pilot Lights, buzzers.
- K: KA; KM: Relays, Control R. & Power R.
- M: Motors.
- Q: Thermomagnetics, disjunctions.
- S: Button, Switch, commutator.
- T: Transformers.
- U: Frequency converter, encoder.
- W: Cables, Power bars.
- X: Terminal Blocks, connection devices.
- Y: Brake, electrovalve, electro-pneumatics.
- Z: Filters



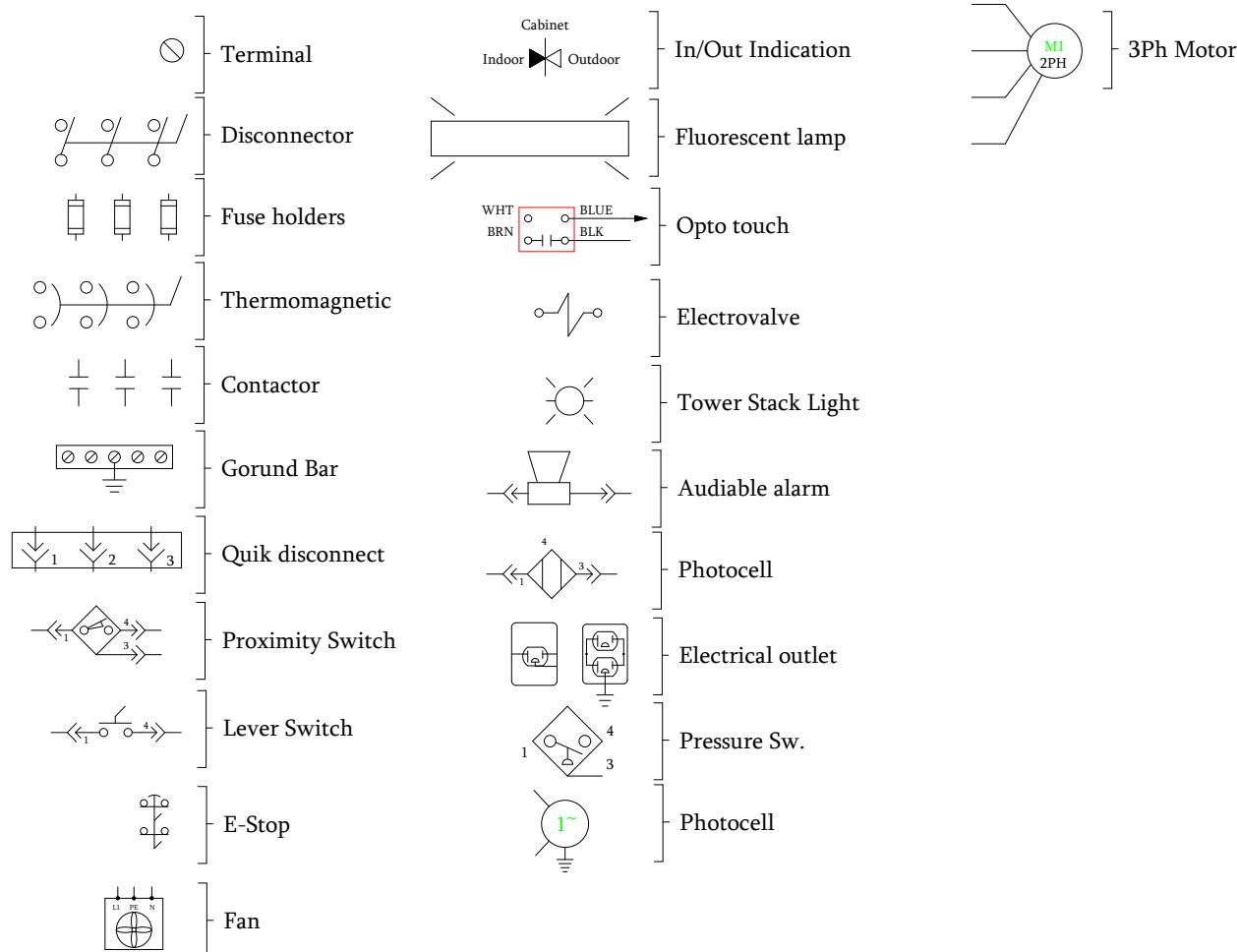
INTEGRATED PRODUCTION
AND TEST ENGINEERING

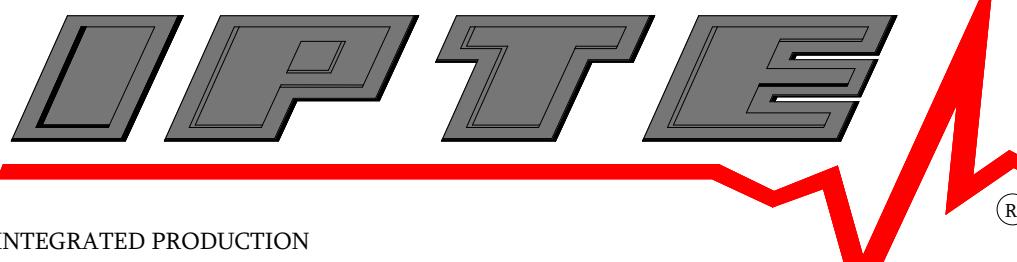
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SYMOLOGY





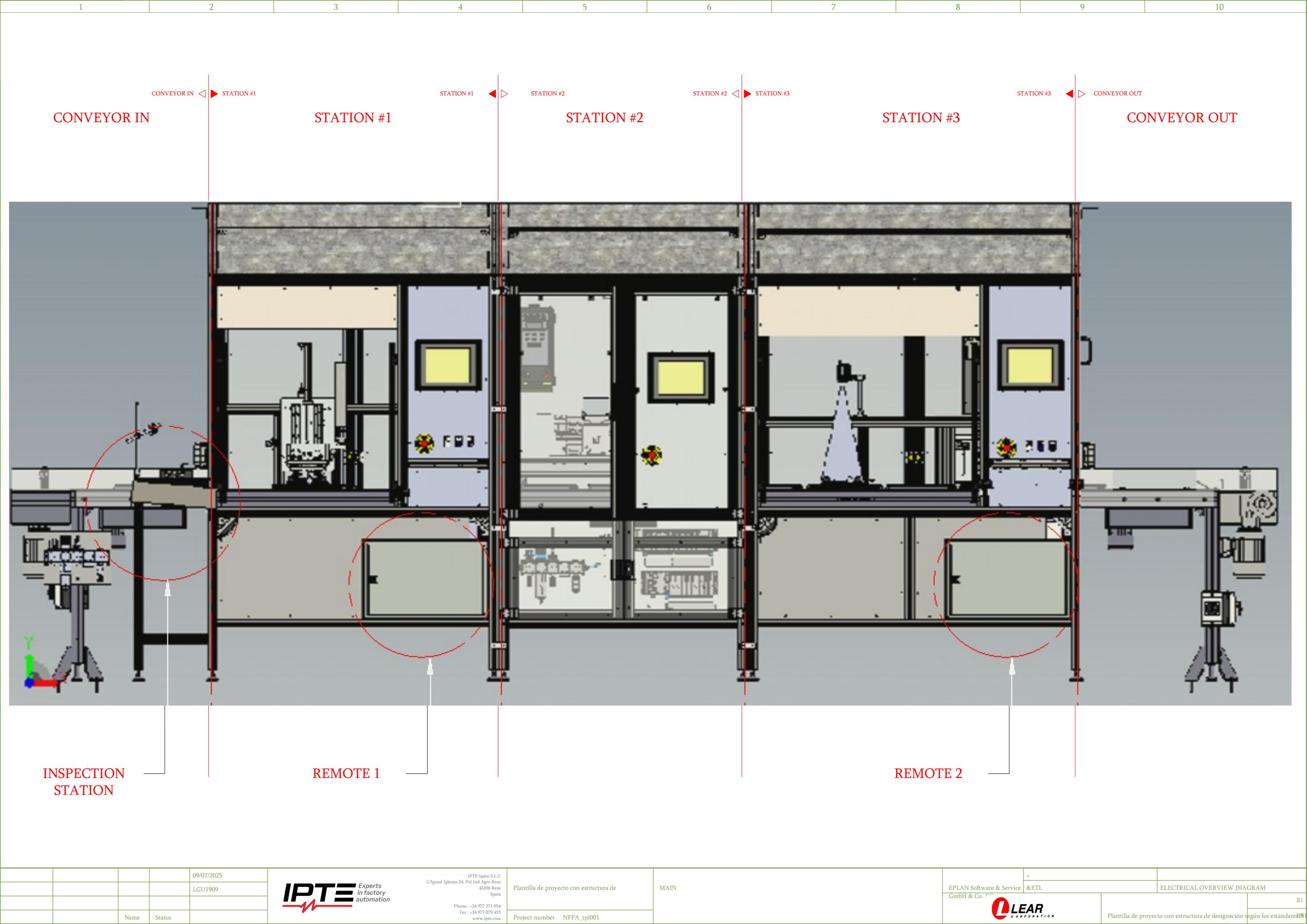
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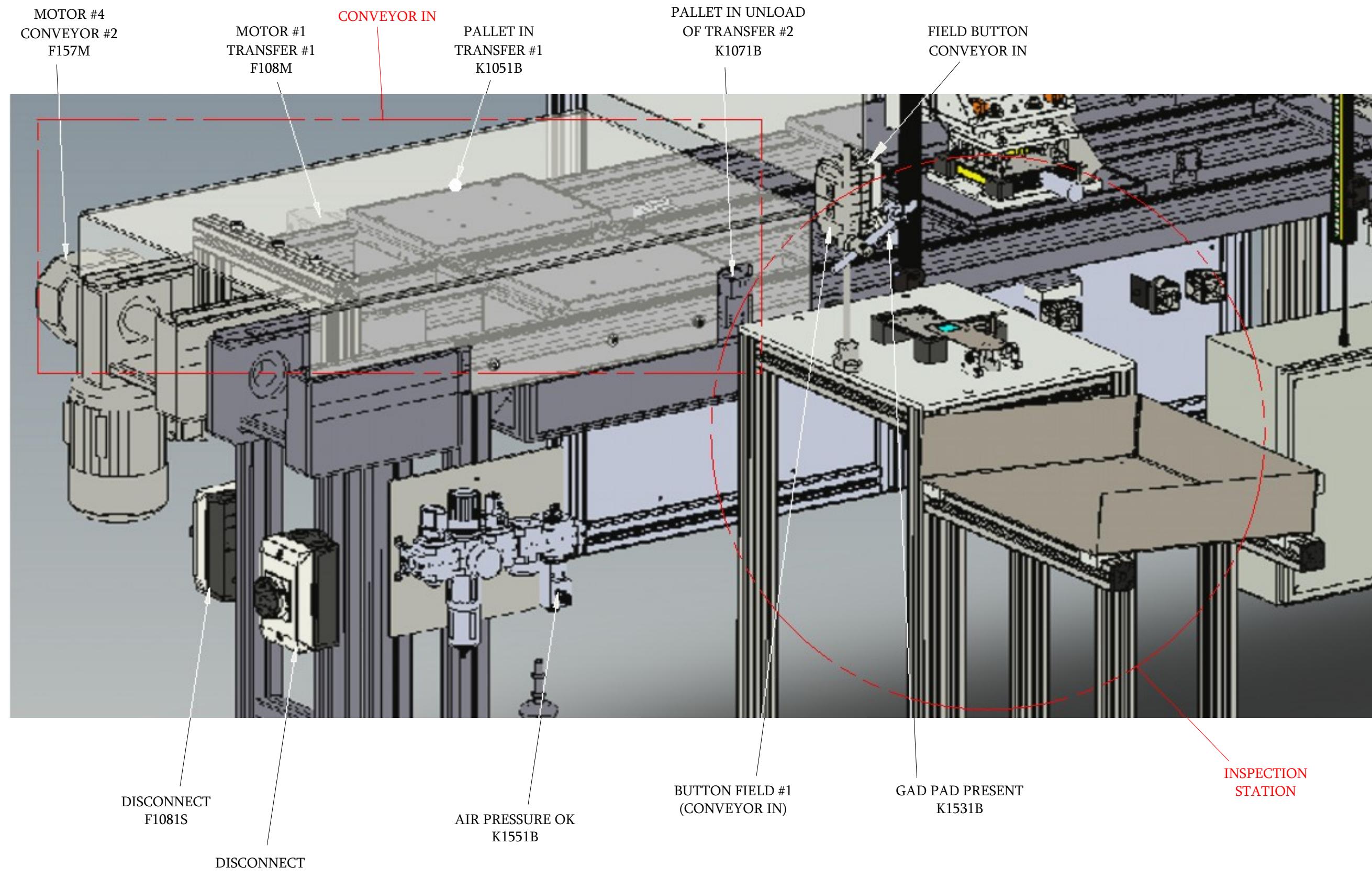
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A2	NOMENCLATURE INDEX	E2	MAIN ENCLOSURE	F2	220 VAC DISTRIBUTION		
A3	SYMBOLS	E3	MAIN ENCLOSURE (LAYOUT PLATINE)	F3	120 VAC DISTRIBUTION		
A4	GENERAL INDEX	E4	MAIN ENCLOSURE (PLATINE DIMENSIONS)	F4	120 VAC DISTRIBUTION		
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C3	COMM.ETHERNET			H2	INPUTS PLC OMRON (REMOTE 1)		
C4	COMM.ETHERNET			H3	INPUTS PLC OMRON (REMOTE 2)		
C5	COMM.RS232			J1	OUTPUTS PLC OMRON		
C6	COMM.RS232			J2	OUTPUTS PLC OMRON (REMOTE 1)		
C7	COMM.RS232			J3	OUTPUTS PLC OMRON (REMOTE 2)		
C6	SECURITY			K1	DISTRIBUTION SENSOR		
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D1	MACHINE LAYOUT			K3	DISTRIBUTION SENSOR		
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D4	MACHINE LAYOUT (STATION #2)						
D5	MACHINE LAYOUT (STATION #3)						
D6	MACHINE LAYOUT (STATION #3)						
D7	MACHINE LAYOUT (CONVEYOR OUT)						
D8	MACHINE LAYOUT (CONVEYOR)						
D9	MACHINE LAYOUT (CONVEYOR)						



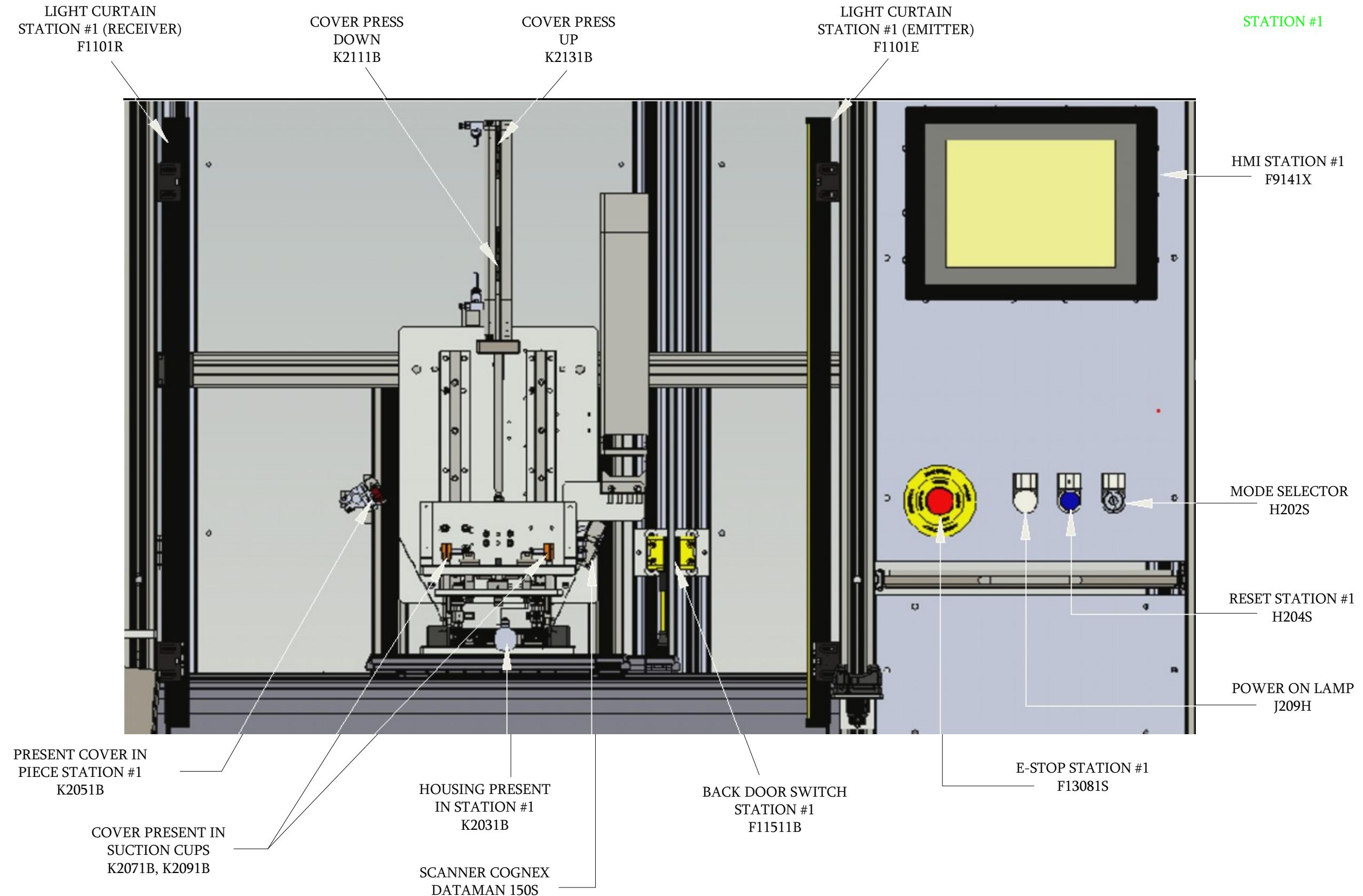
				09/07/2025	IPT [®] Experts in factory automation C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	MAIN	EPLAN Software & Service & ETL GmbH & Co. KG	ELECTRICAL OVERVIEW DIAGRAM	B1
				LGU1909						
	Name	Status							Plantilla de proyecto con estructura de designación según los estándares	

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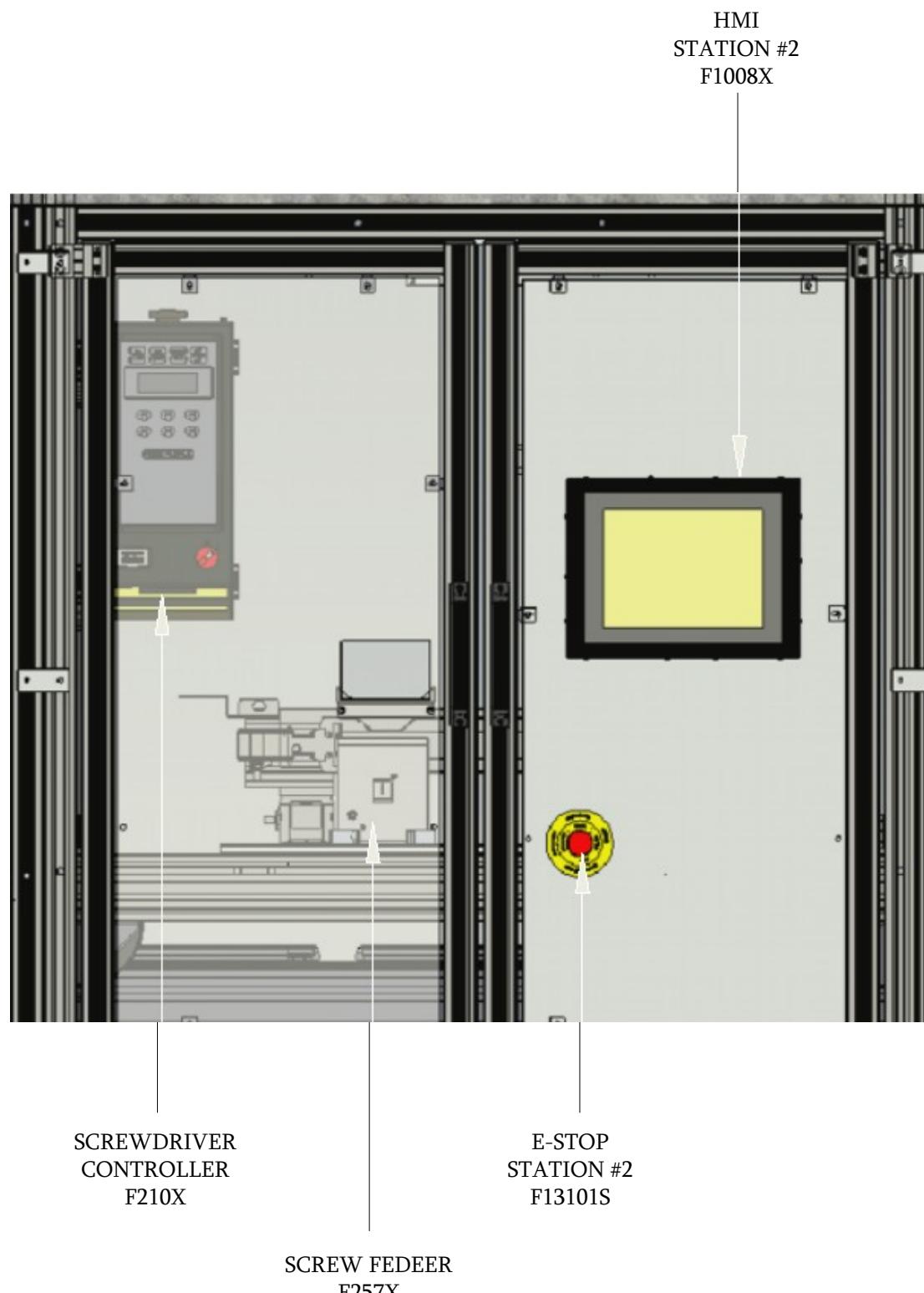
F1131S

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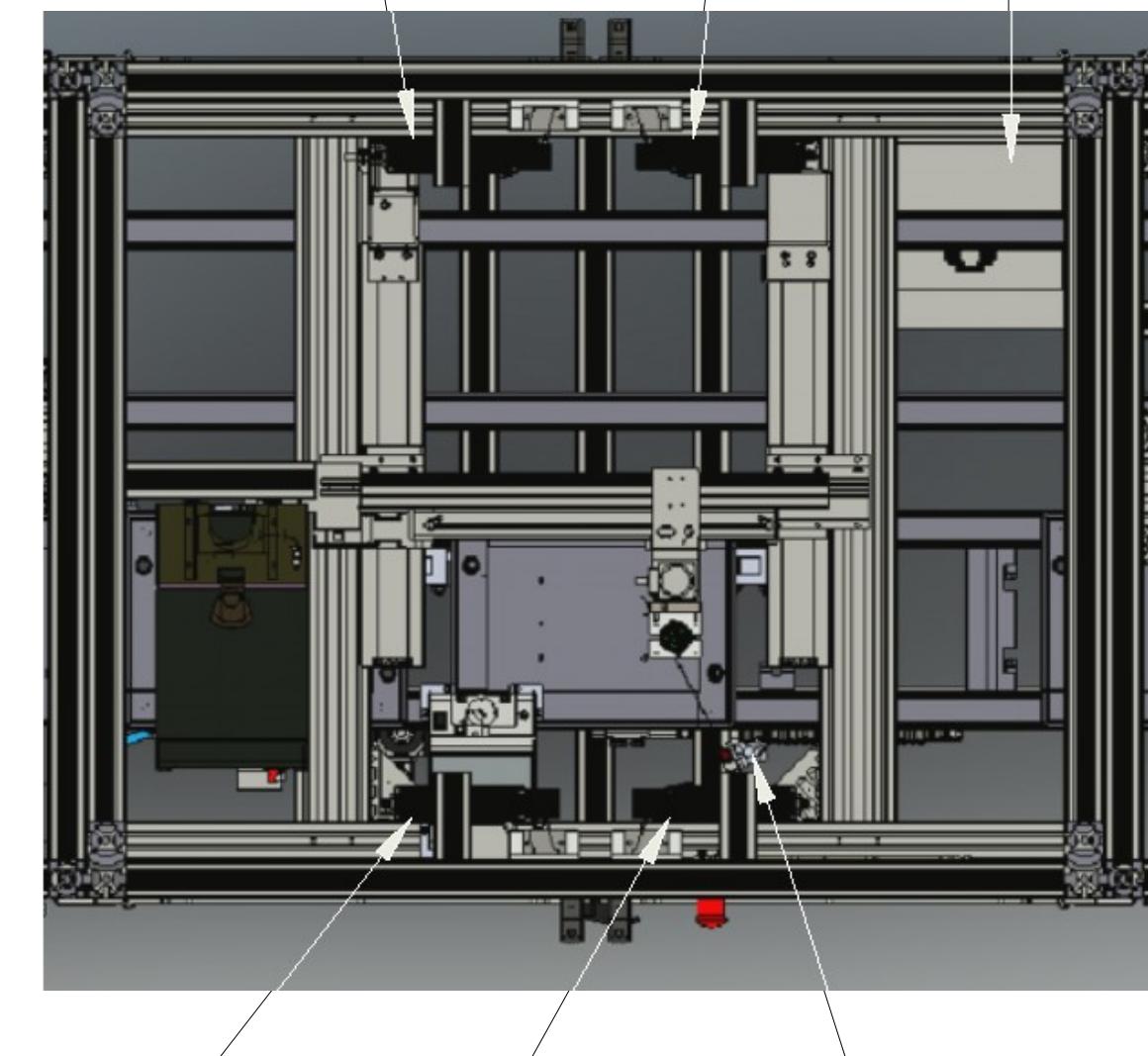
STATION #2



LEFT BACK
DOOR (INTERLOCK)
F14161X

RIGHT BACK
DOOR (INTERLOCK)
F14151X

CARTESIAN ROBOT
CONTROLLER JC-3
F221X



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STATION #3

VISION SYSTEM
KEYENCE
F229

LIGHT CURTAIN
STATION #3
F1201R

PART PRESENT IN
BATTERY STATION
K3111B

SCANNER COGNEX
DATAMAN 150S
F1059X

LIGHT CURTAIN
STATION #3
F1201E

HMI STATION #3
F1017X

E-STOP
STATION #3
F13121S

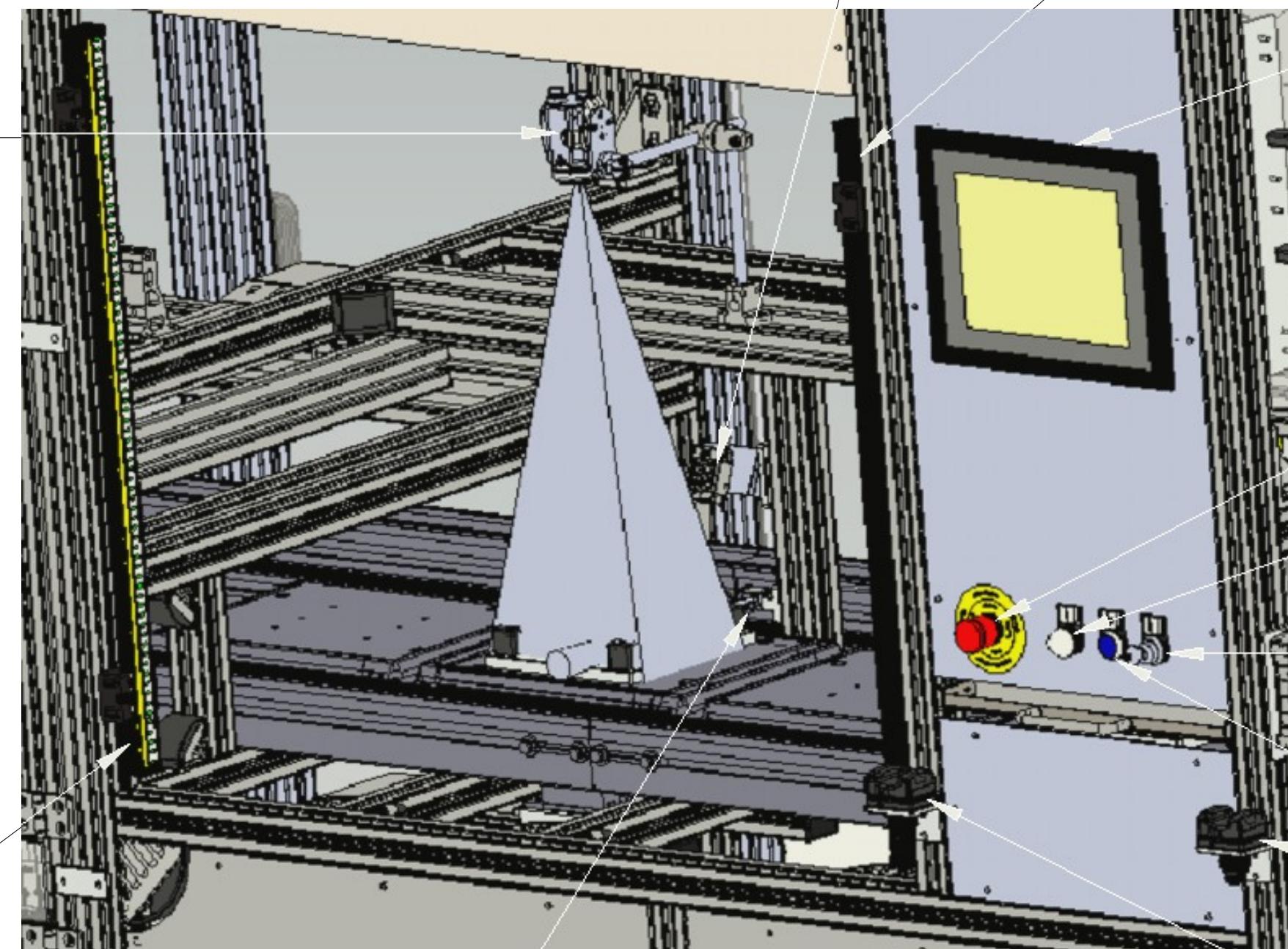
POWER ON LAMP
J308H

MODE SELECTOR
H302S

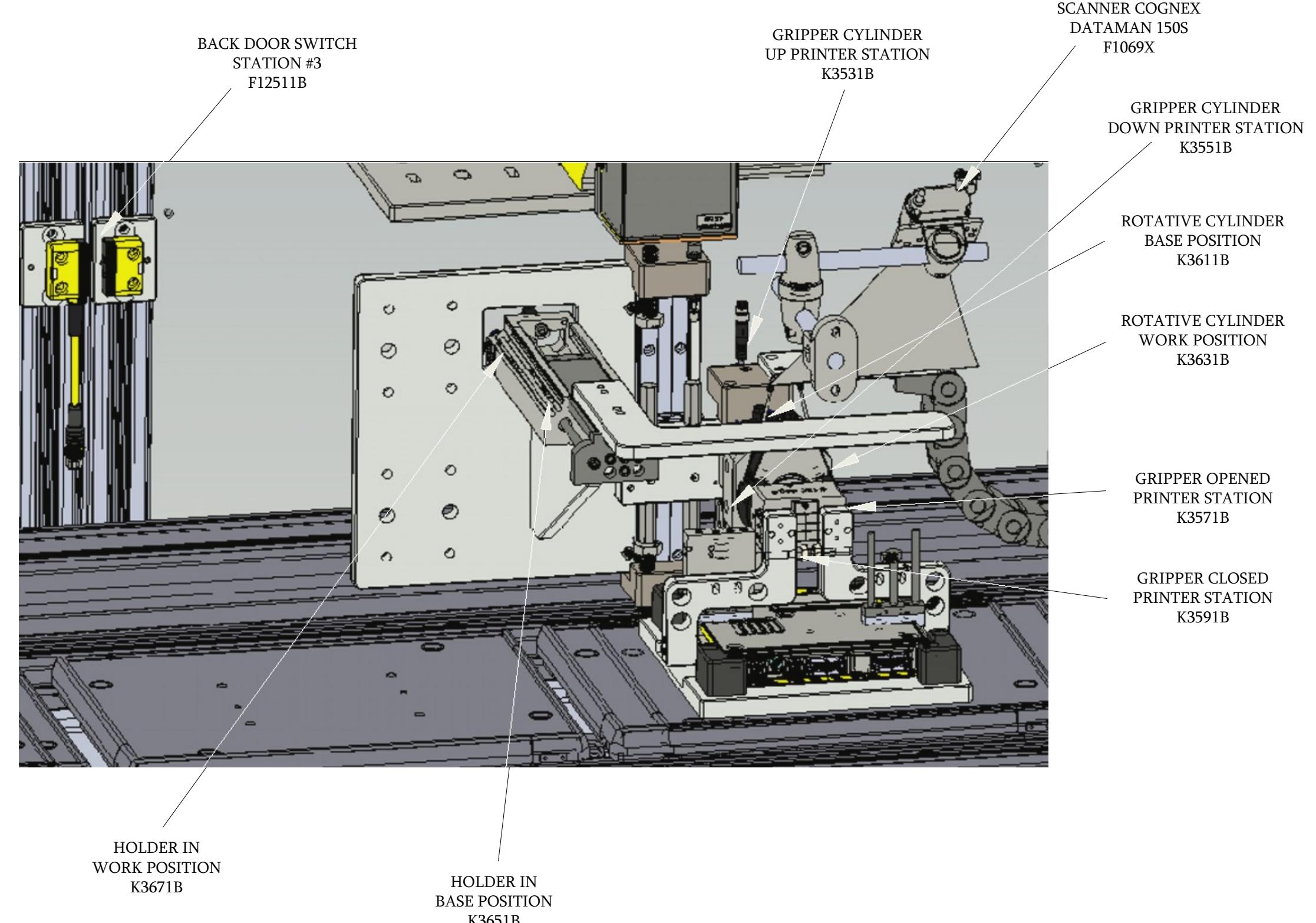
RESET STATION #1
H304S

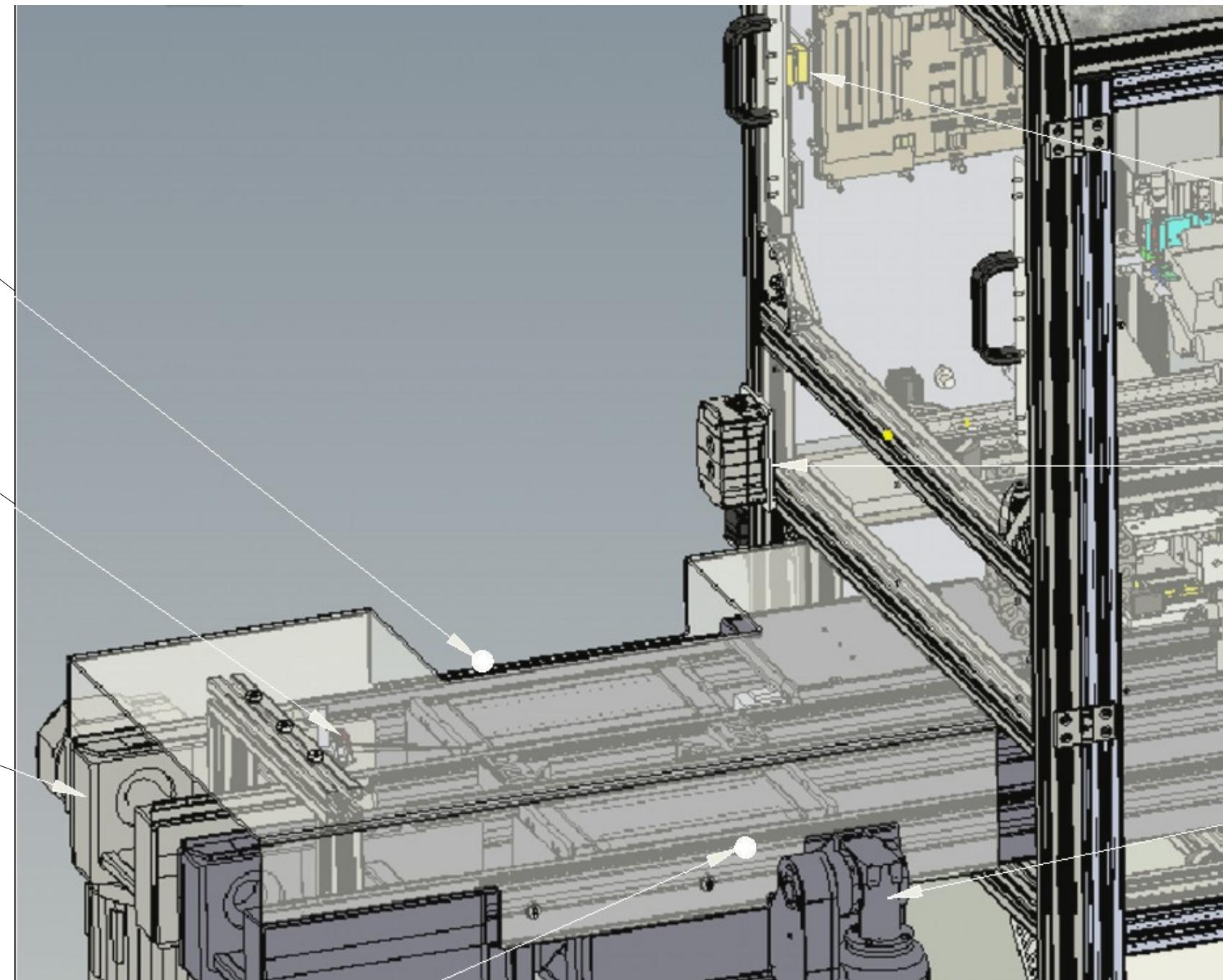
ACKNOWLEDGE PART
UNLOADED
K4611B

START PRINTER CYCLE
K4111B



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PALLET PRESENT
BEGGINING TRANSFER #
K4571B

PART PRESENT IN
UNLOAD STATION
K4551B

MOTOR 2
CONVEYOR #
F113M

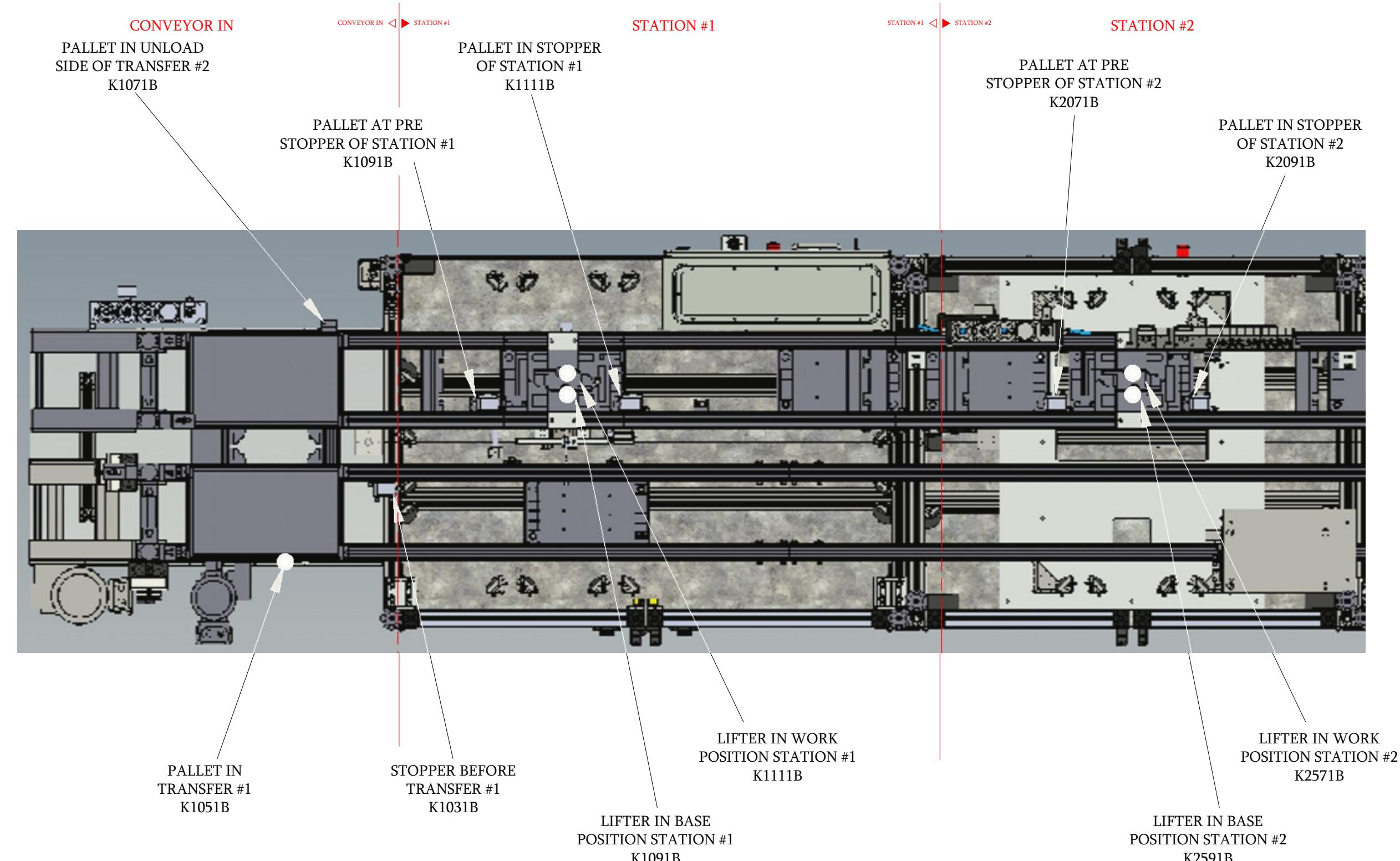
PALLET AT THE
END OF TRANSFER #
K4591B

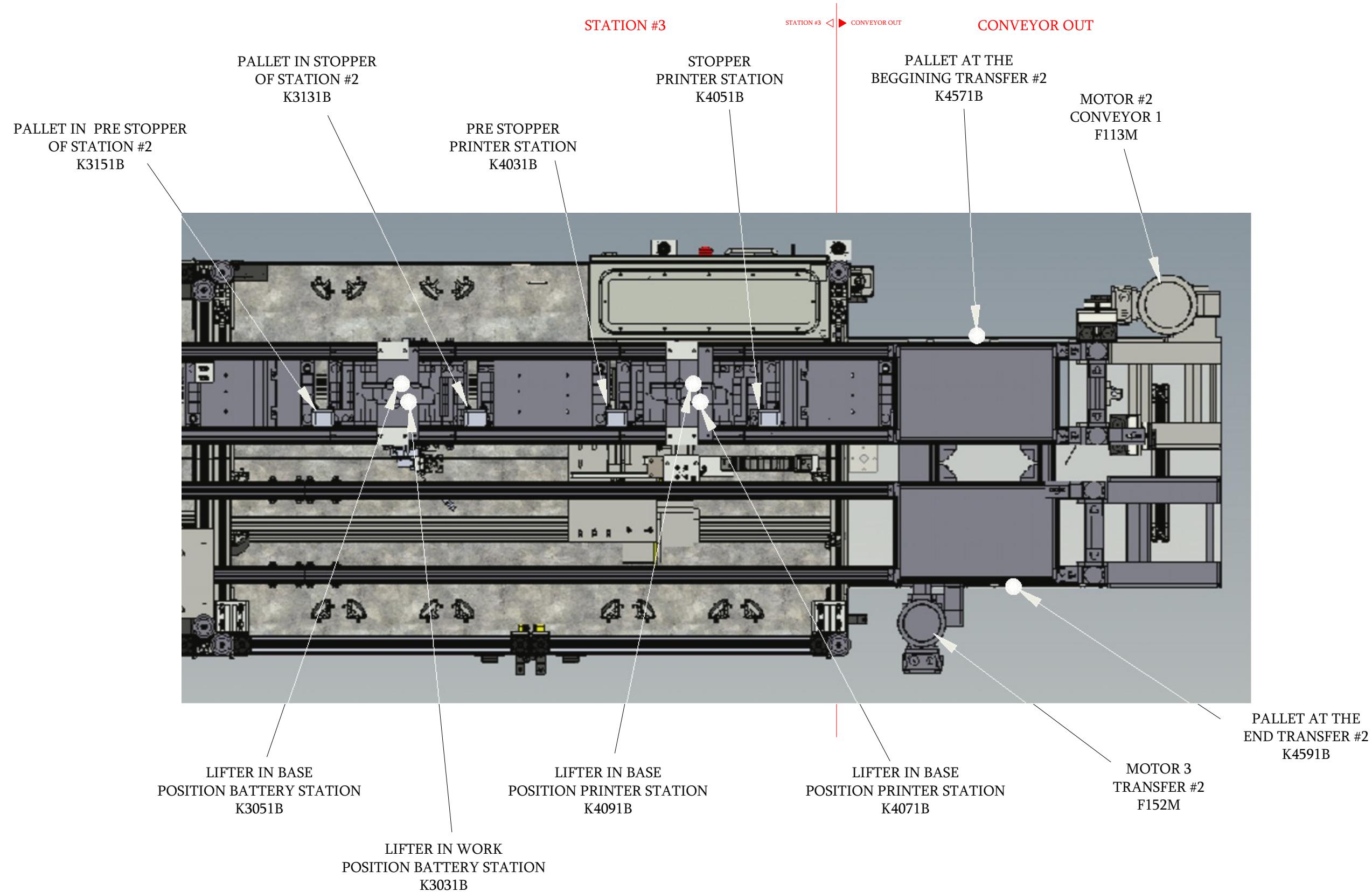
RIGHT DOOR
SWITCH
F12611B

FIELD BOTTON CONVEYOR OUT

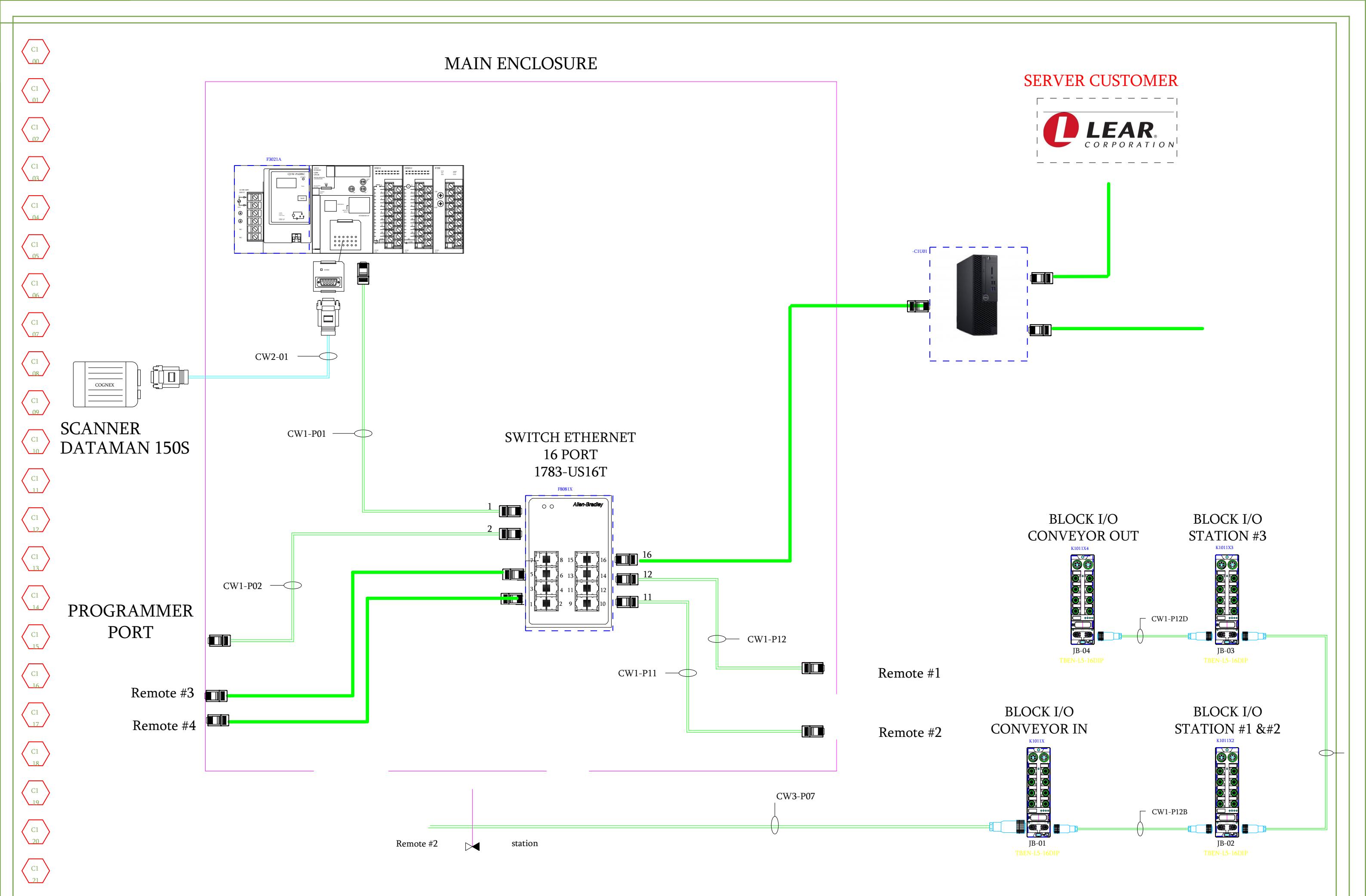
MOTOR 3
TRANSFER #2
F152M

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				LGU1909					
		Name	Status						





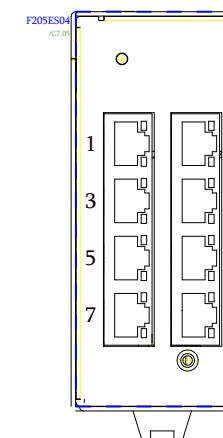
				09/07/2025	 <p>IPTE Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Águas Reus 43206 Reus Spain</p> <p>Phone : +34 977 271 054 Fax : +34 977 079 455 www.ipte.com</p> <p>Project number NFPA_tpl001</p>	<p>Plantilla de proyecto con estructura de</p> <p>STATION #3</p>	<p>EPLAN Software & Service & ETL GmbH & Co. KG</p> 	<p>+ ELECTRICAL OVERVIEW DIAGRAM</p>	<p>Plantilla de proyecto con estructura de designación según los estándares BSI</p>
				LGU1909					
		Name	Status						



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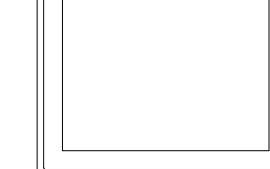
MAIN ENCLOSURE

CW1-P11



CW2-P7

23

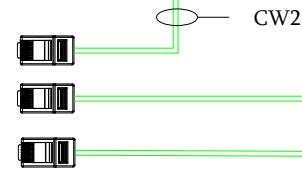
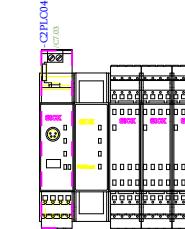


(STATION #1)

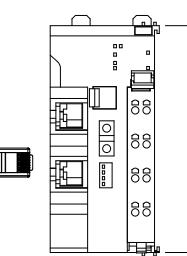
HMI

REMOTE 1

SAFETY PLC
GATEWAY
SICK FLEX SOFT



NX-EIC202

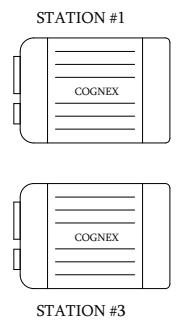


C2CBL10

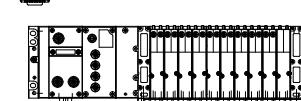
RS232

C2CBL20

RS232



VALVES BLOCK
(STATION #1)
MOD.



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43206 Reus Spain
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Plantilla de proyecto con estructura de
Project number NFPA_tpl001

REMOTE 1

EPLAN Software & Service +
GmbH & Co. KG



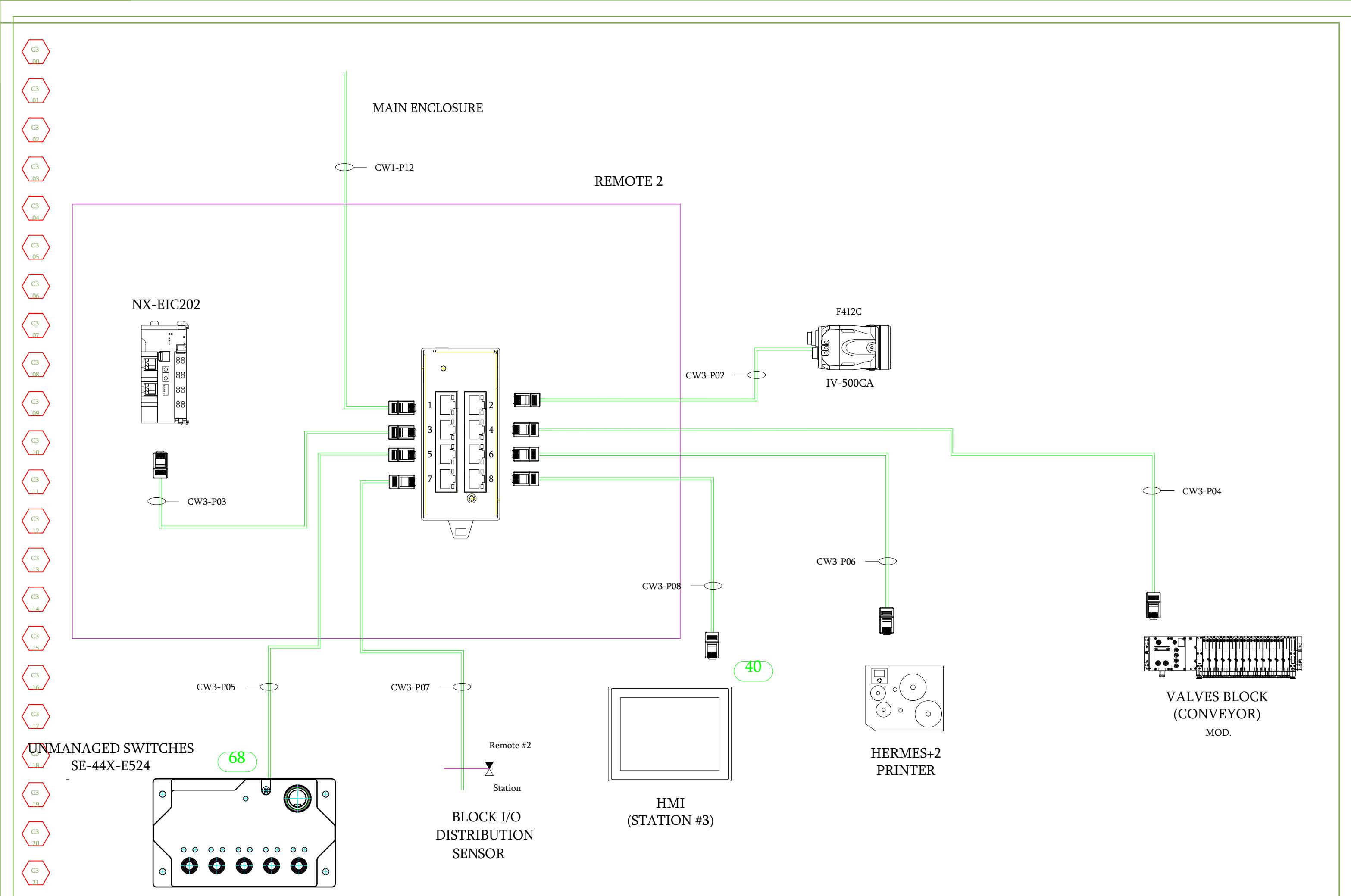
BUS OVERVIEW

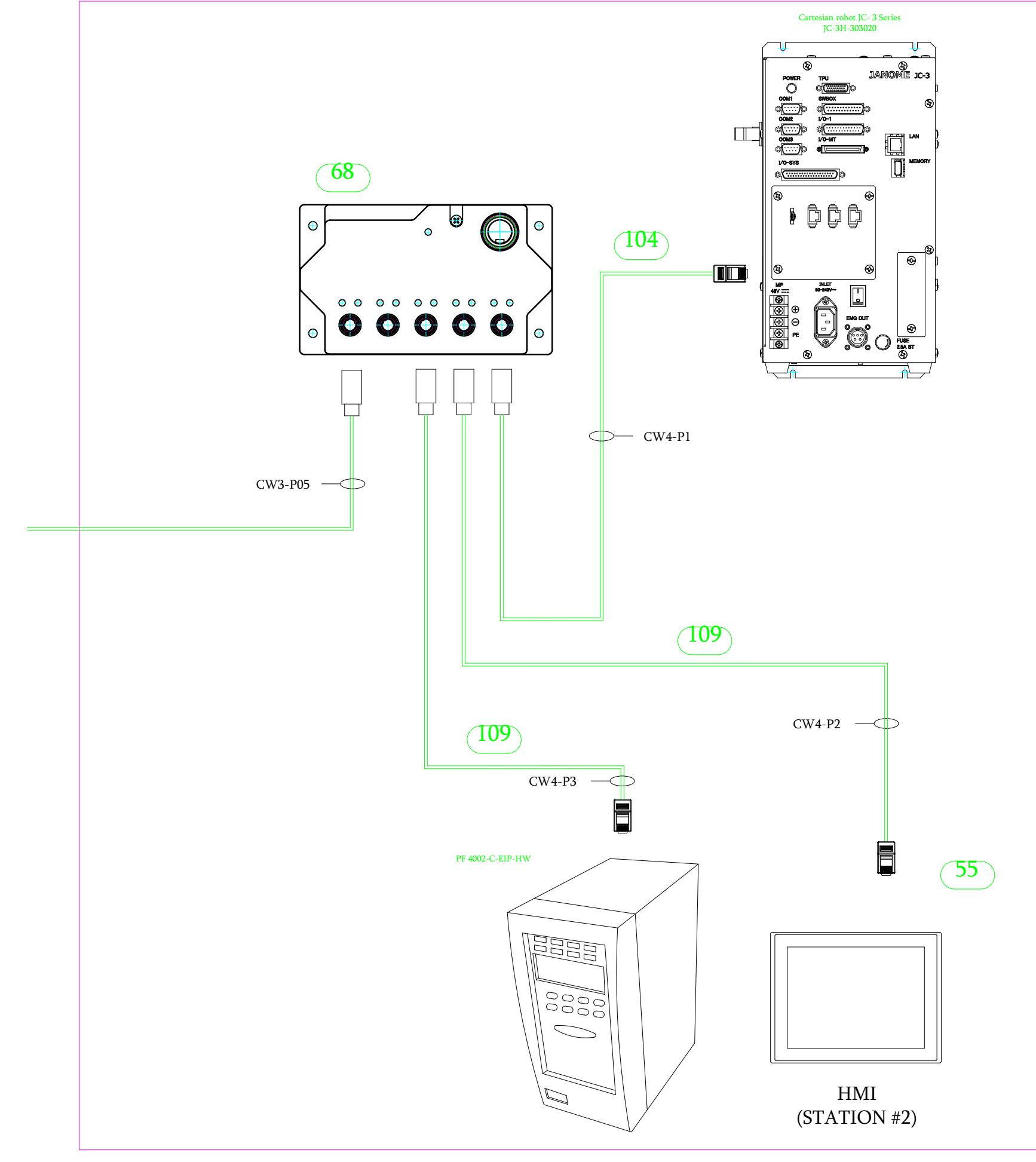
Plantilla de proyecto con estructura de designación según los estándares CENELEC

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Name Status

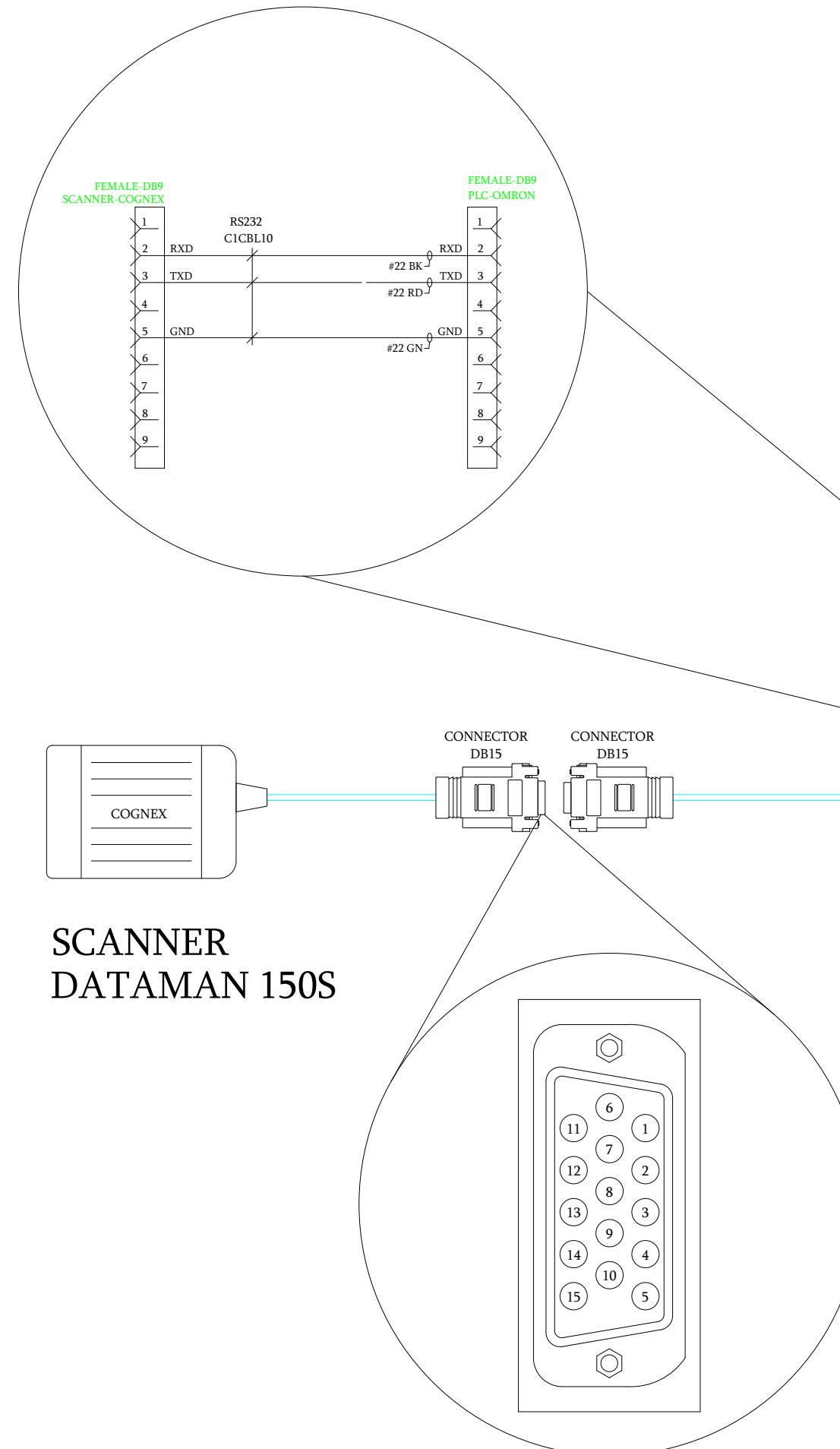
C2



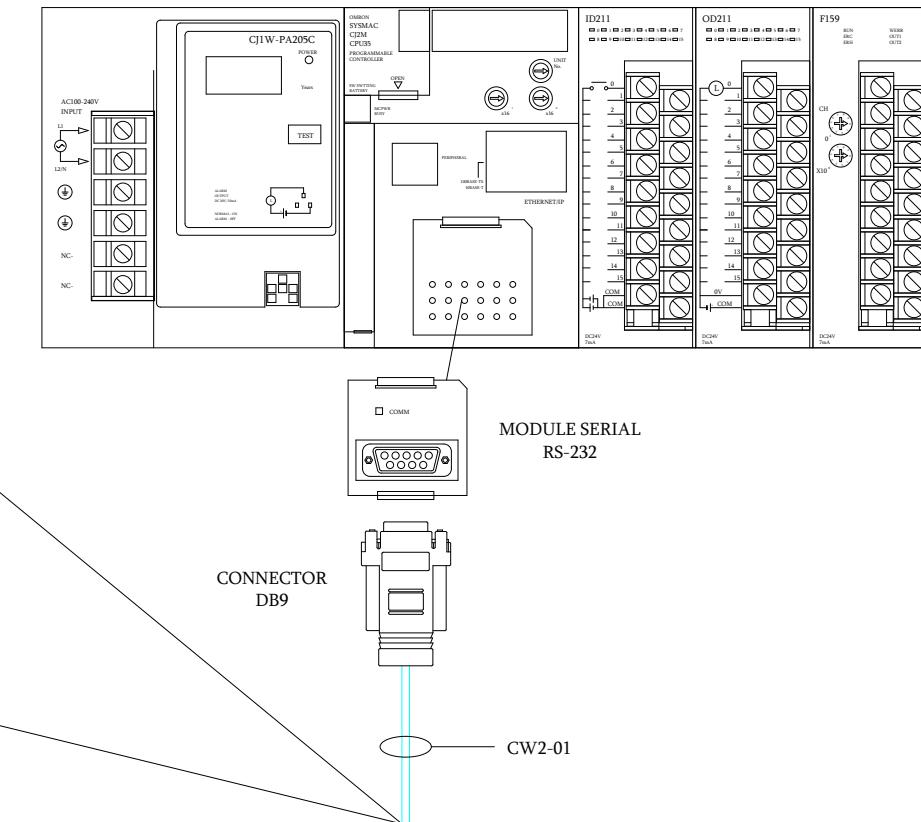


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				LGU1909					
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PLC OMRON CJ2-CPU35



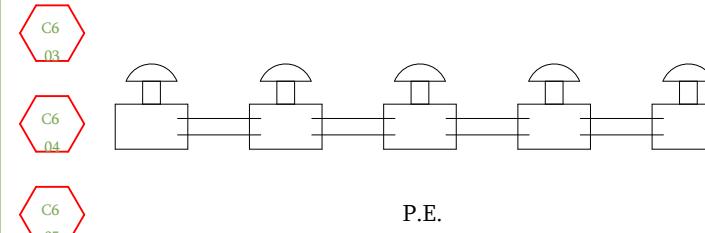
PIN	COLOR	SIGNAL
4	BLACK	GND
5	BROWN/WHITE	VCD
7	BLUE/WHITE	OUTPUT-0
8	WHITE	INPUT-0
9	WHITE/BLACK	INPUT-1
11	LIGHT BLUE/BLACK	OUTPUT-1
12	LIGHT BLUE/YELLOW	OUTPUT-COM.
13	LIGHT BLUE/GREEN	INPUT-COM.

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SECURITY
ELEMENTS

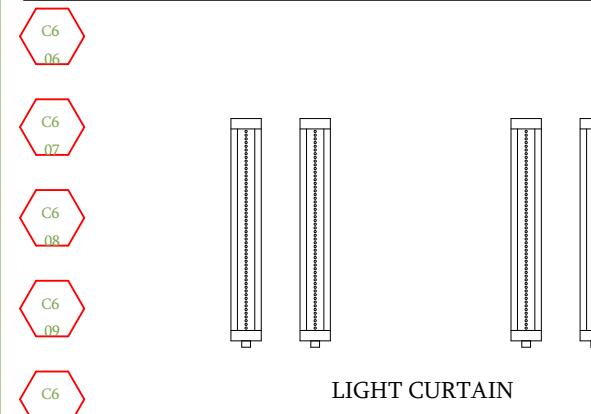
PROTECTION
ELEMENTS

RESET MODE
OR DESCRIPTION



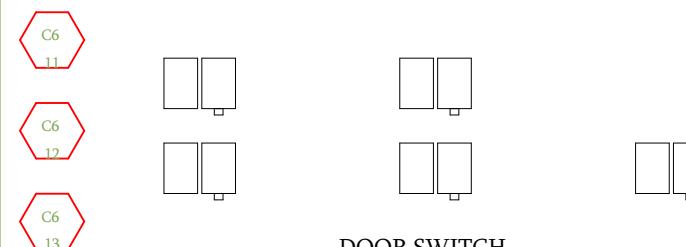
STOP CONVEYOR
STOP STATION #1: PCB PRESS
STOP STATION #2: SCREWDRIVER ROBOT
STOP STATION #3: CYLINDERS
STOP TRANSFER
AIR PRESSURE

DISABLE P.E.
PRESS RESET BUTTON OR HMI



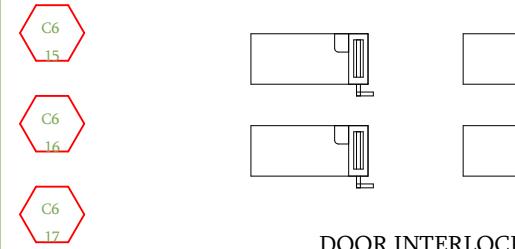
STOP STATION #1: PCB PRESS
AIR PRESSURE STATION #1
STOP STATION #3: CYLINDERS
AIR PRESSURE STATION #3

DONT INTERFERENCE THE
PROTECTIVE ZONE



STOP STATION #1: PCB PRESS
STOP STATION #3: CYLINDERS
AIR PRESSURE

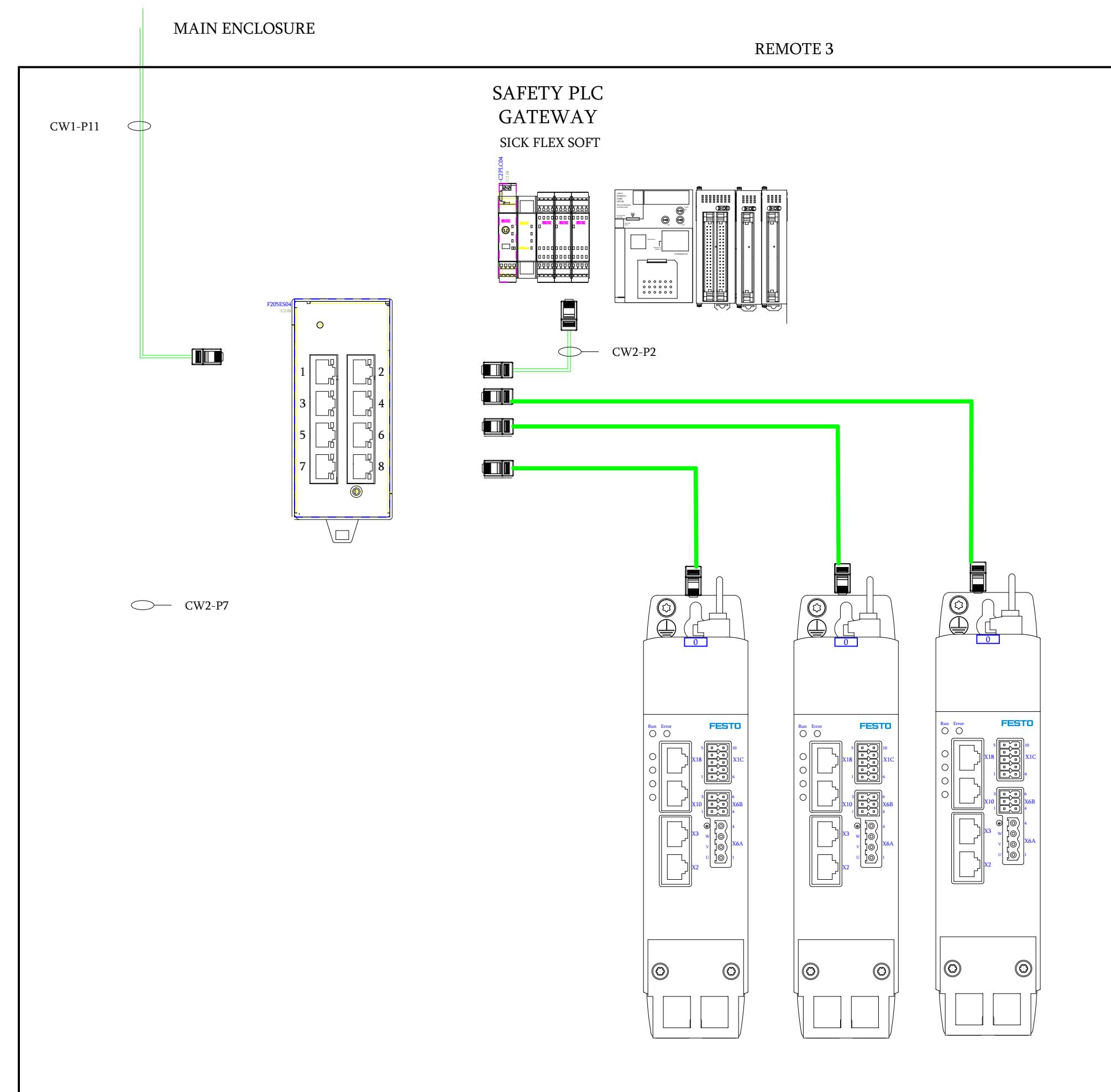
CLOSE THE DOOR
PRESS RESET BUTTON OR HMI



STOP STATION #2: SCREWDRIVER ROBOT
AIR PRESSURE

CLOSE THE DOOR
PRESS RESET BUTTON OR HMI

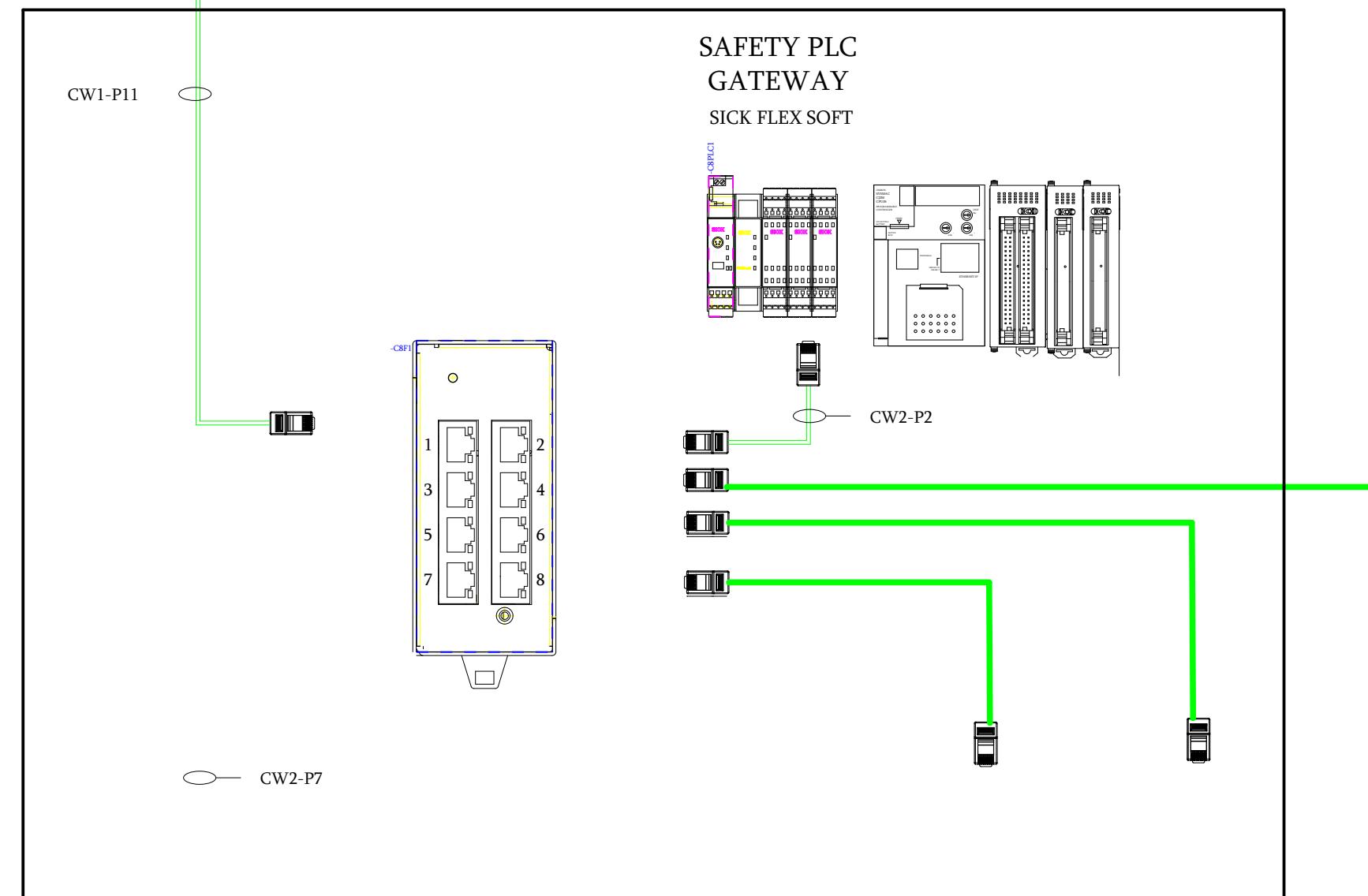
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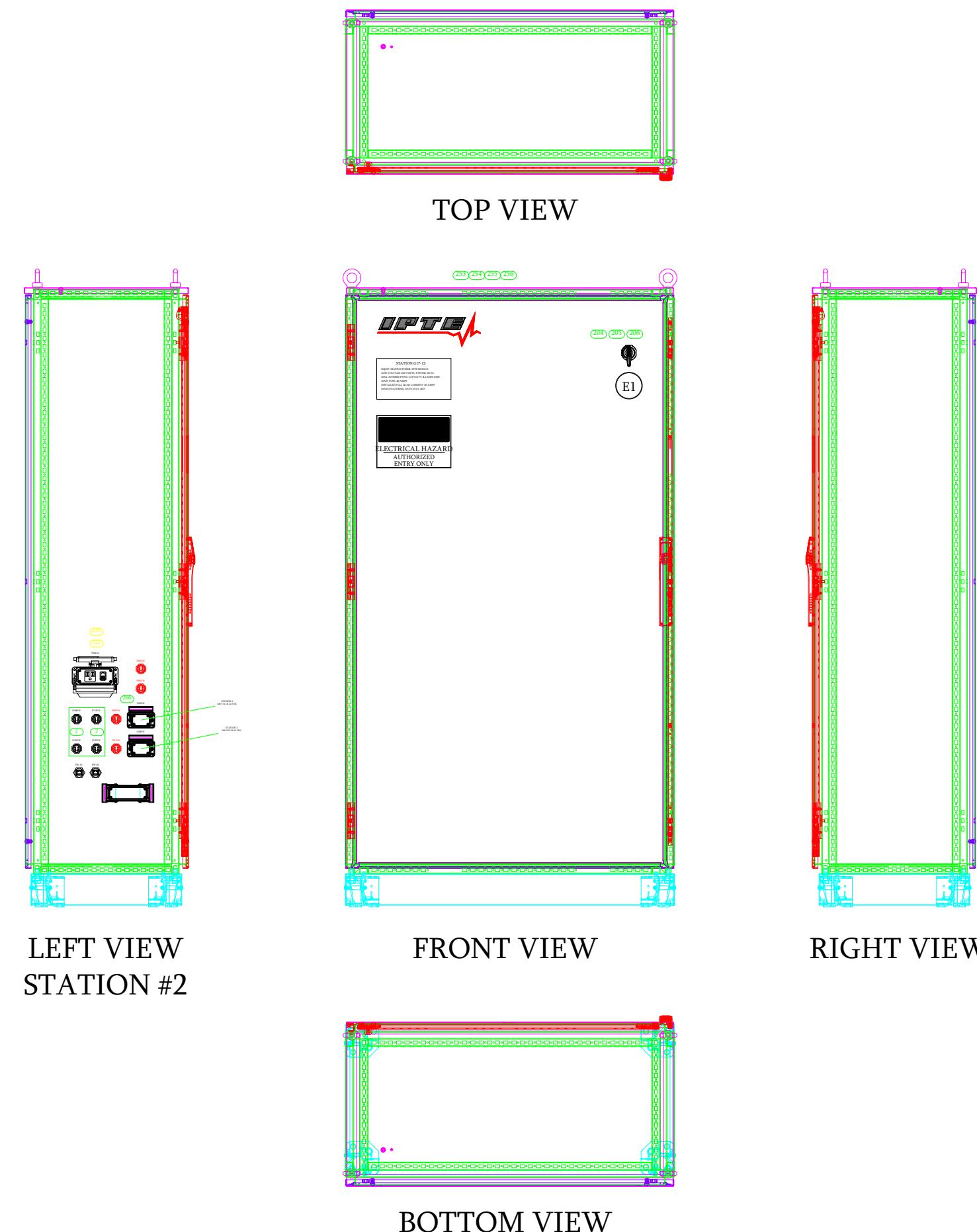
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MAIN ENCLOSURE

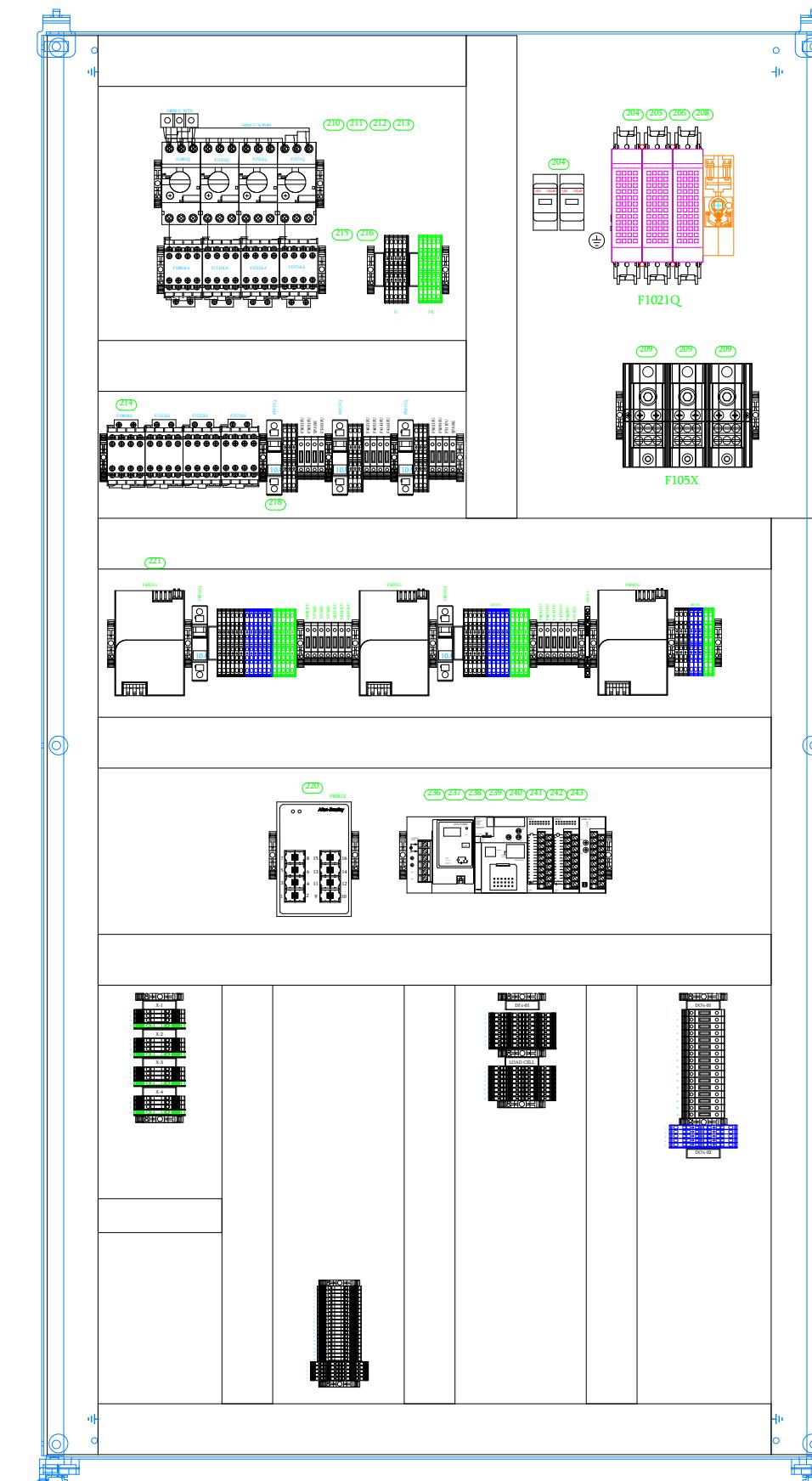


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				09/07/2025	IPTe Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	MAIN ENCLOSURE	+CAB 1 EPLAN Software & Service & HTL GmbH & Co. KG	Main Cabinet
				LGU1909						CABINET & PLATE LAYOUT
	Name	Status								LEAR CORPORATION

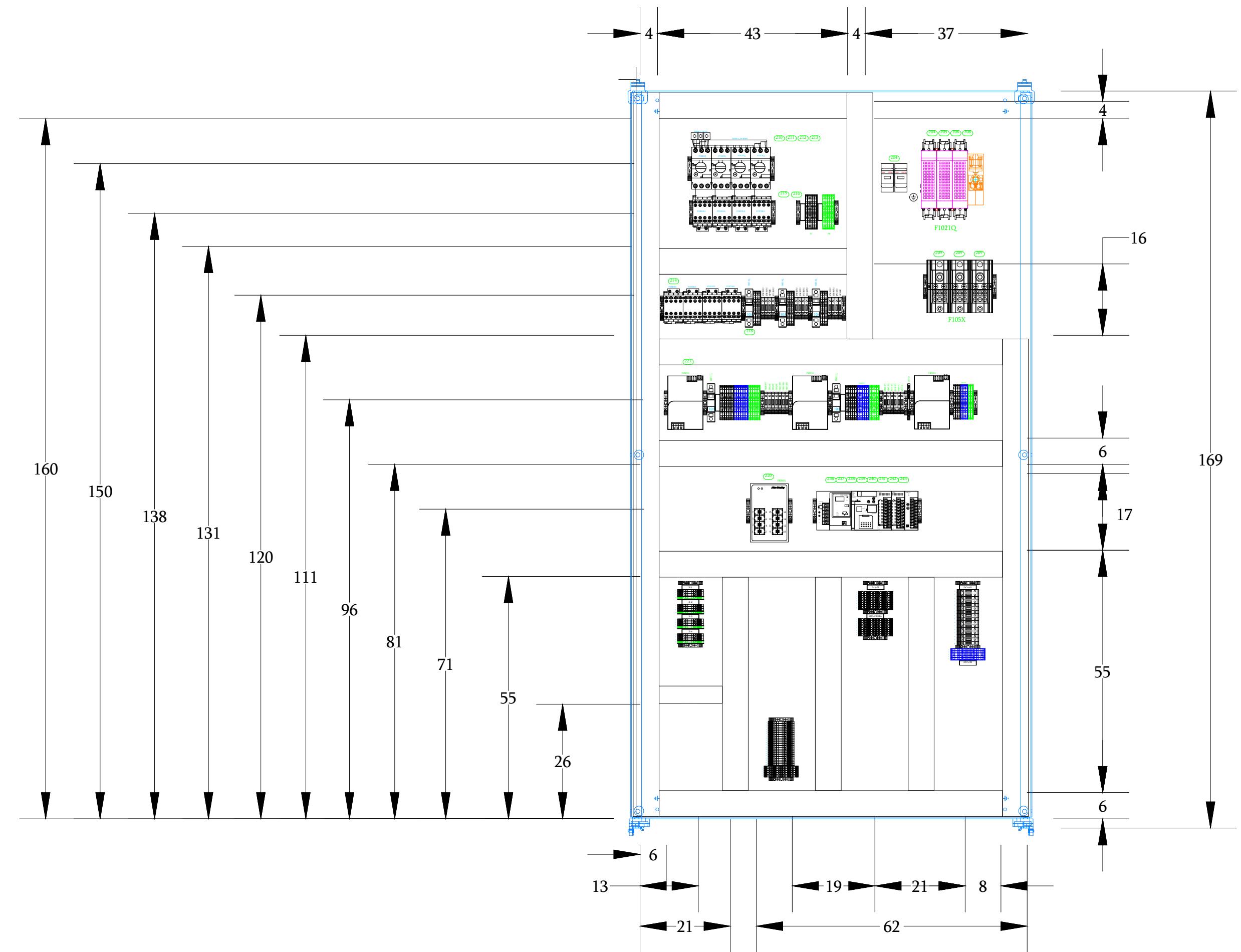
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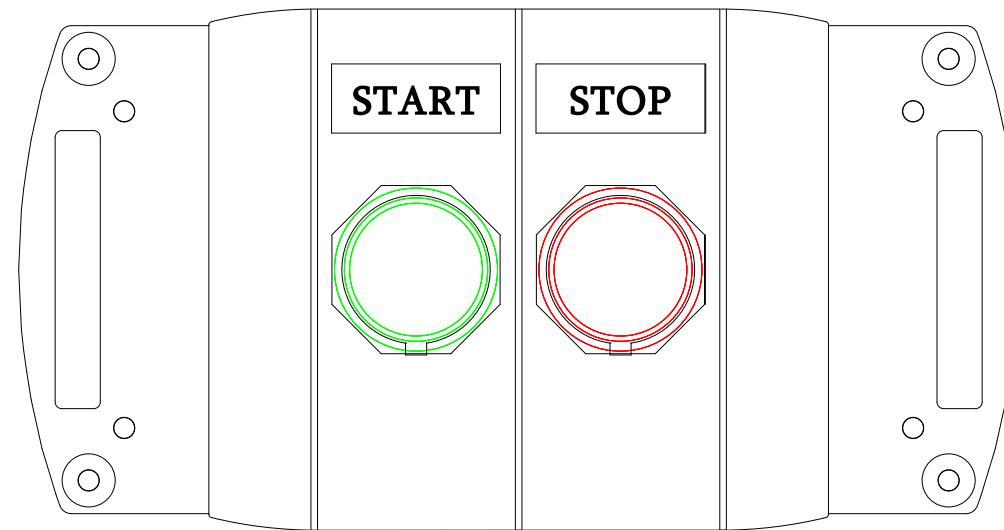
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				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	MAIN ENCLOSURE	+CAB 1 EPLAN Software & Service & HTL GmbH & Co. KG	Main Cabinet
				LGU1909					+CAB 1 EPLAN Software & Service & HTL GmbH & Co. KG	CABINET & PLATE LAYOUT
		Name	Status							Plantilla de proyecto con estructura de designación según los estándares

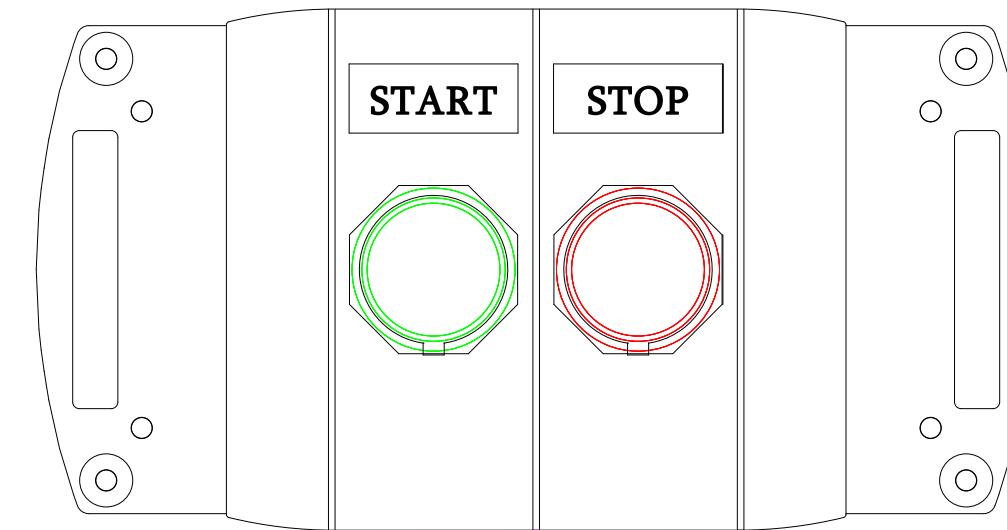
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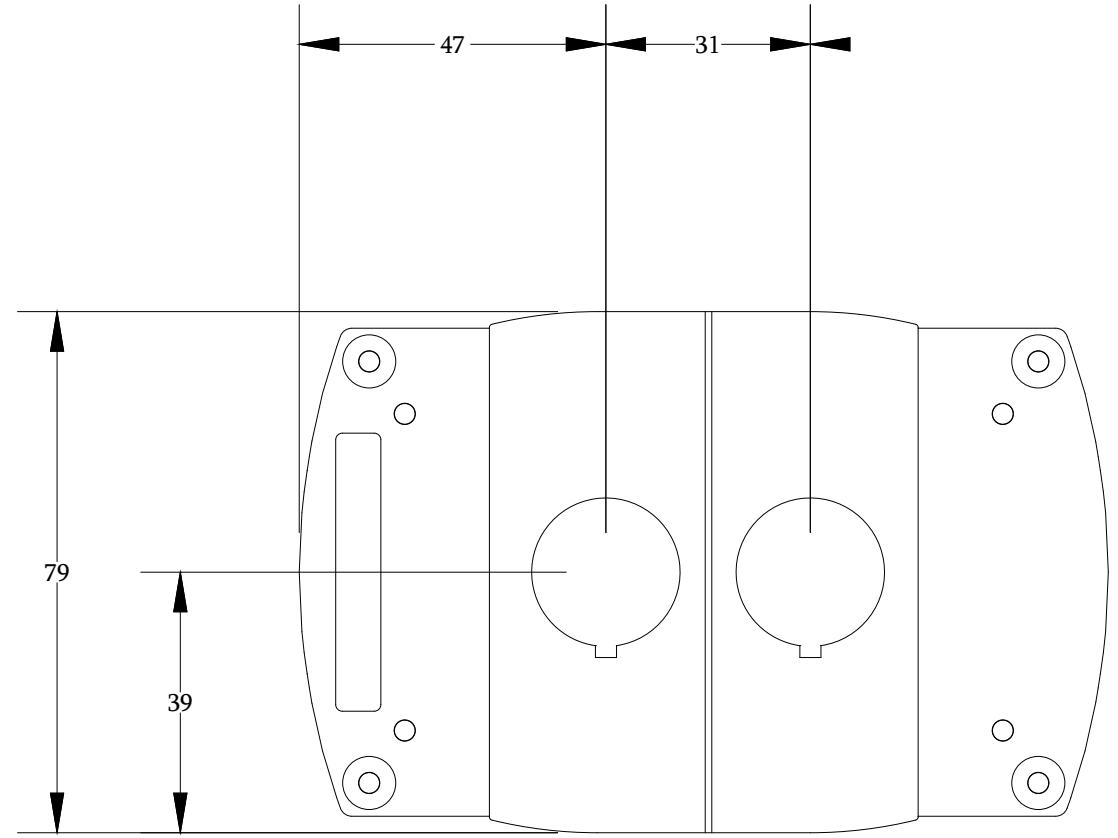


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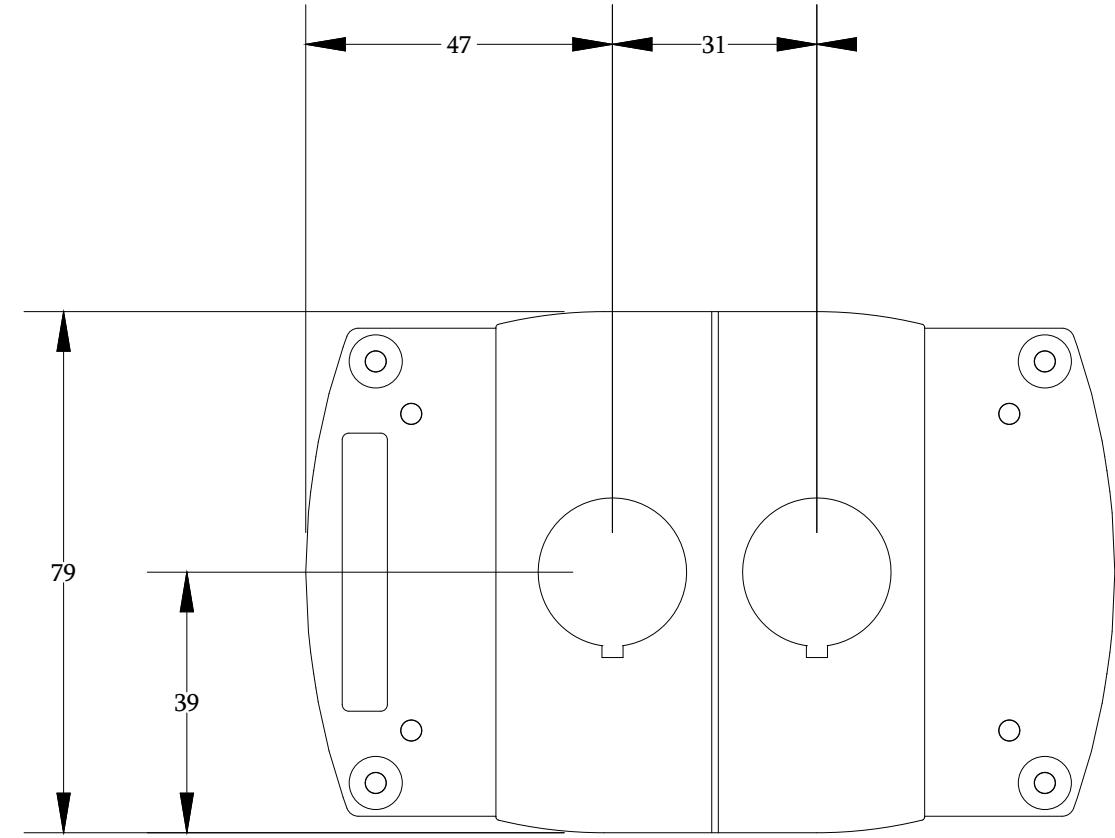


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				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	MAIN ENCLOSURE	+CAB 1 EPLAN Software & Service & HTL GmbH & Co. KG	Main Cabinet
				LGU1909					EPLAN Software & Service & HTL GmbH & Co. KG	CABINET & PLATE LAYOUT
	Name	Status							LEAR CORPORATION	Plantilla de proyecto con estructura de designación según los estándares

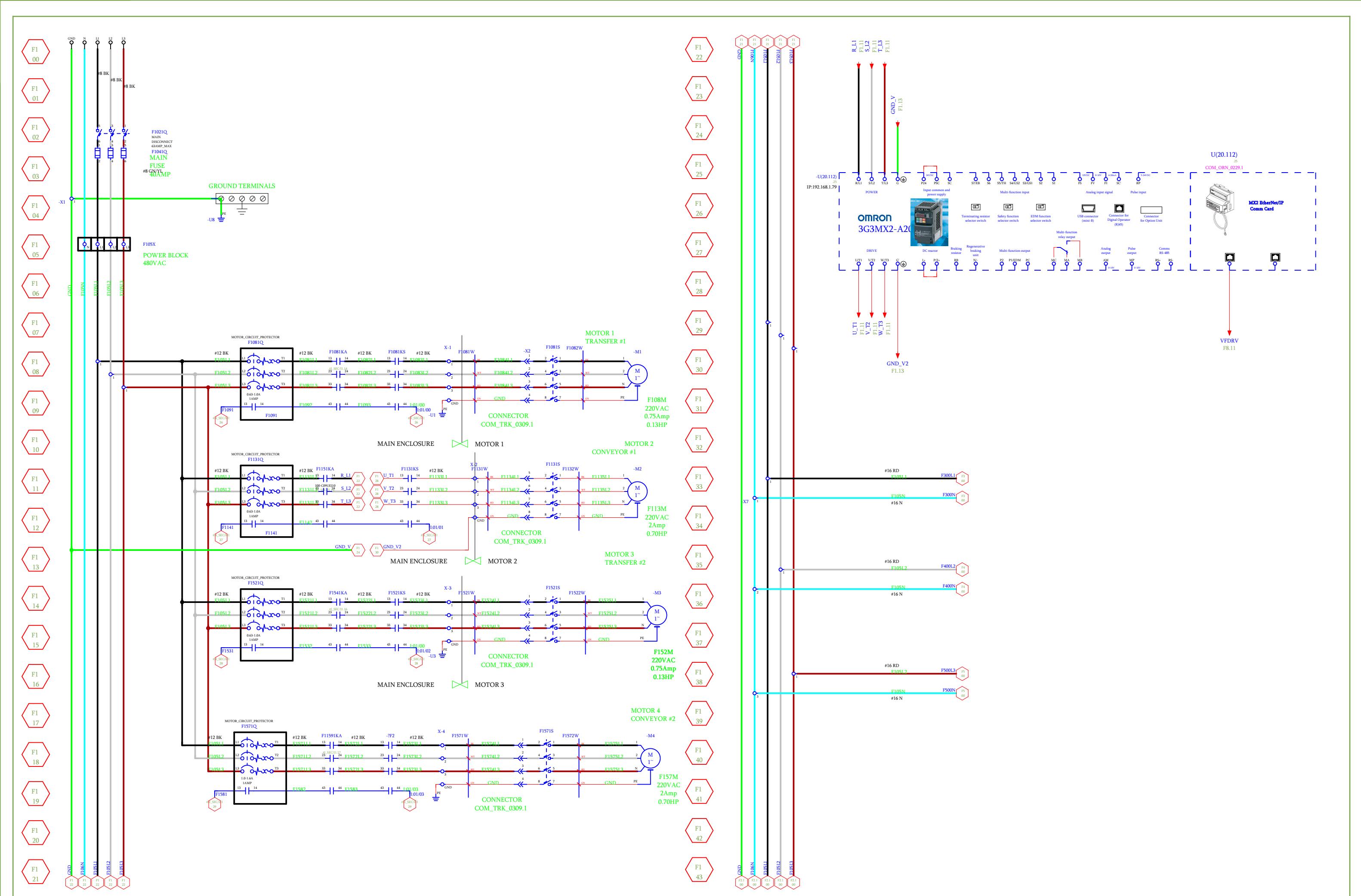


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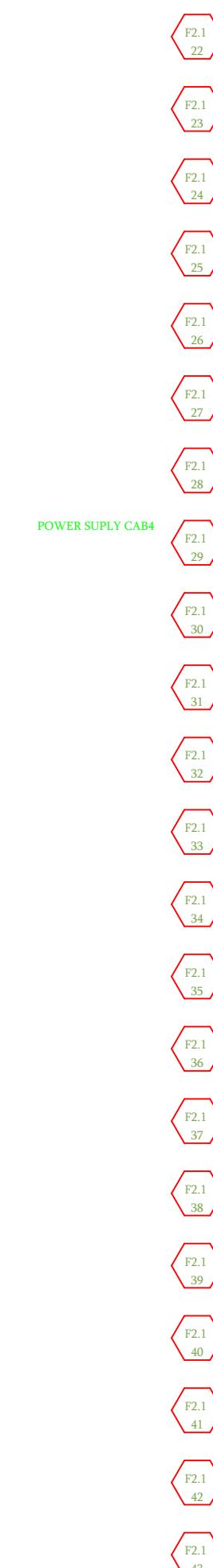
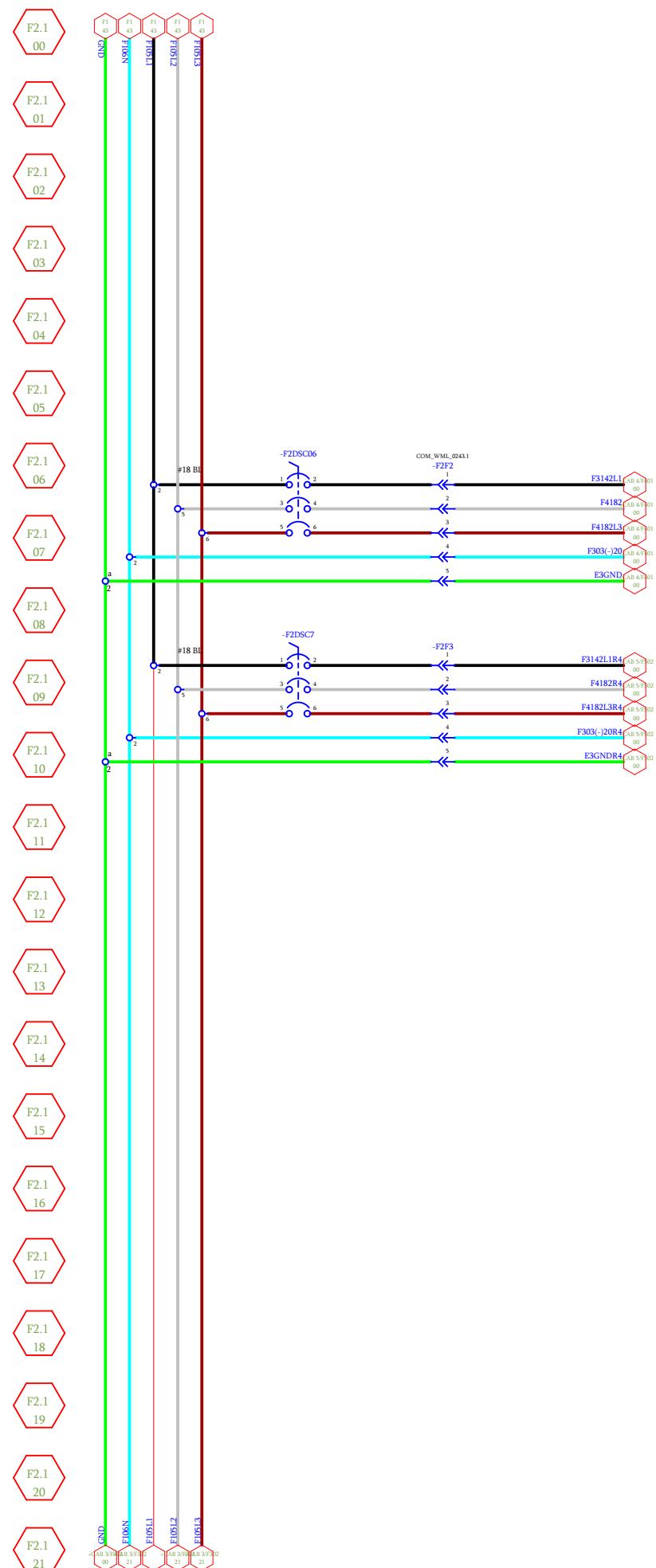


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				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de POWER SUPPLIED	+CAB 1	Main Cabinet
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		Name	Status						GmbH & Co. LEAR CORPORATION
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									F1

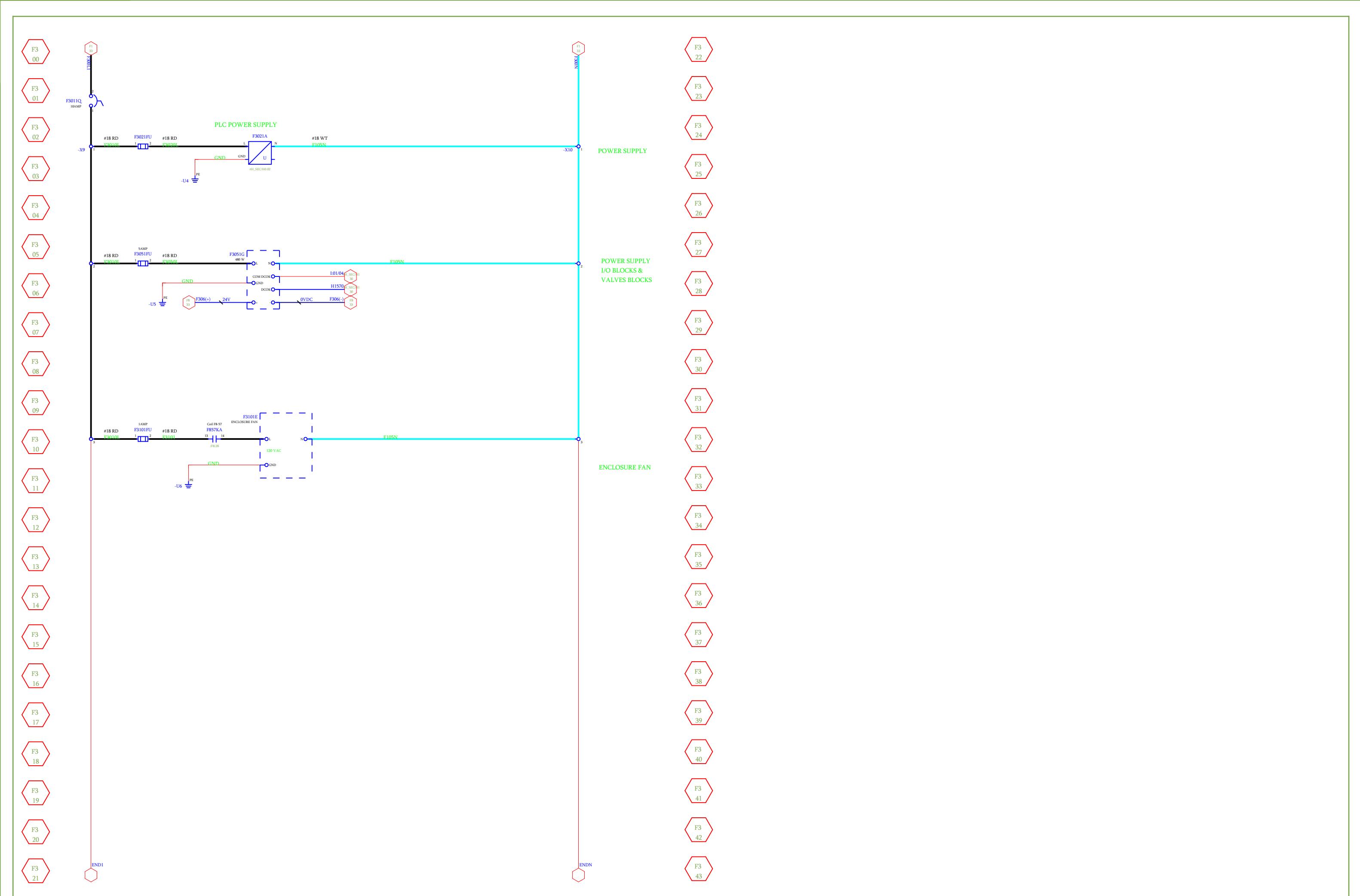


				14/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	POWER SUPPLIED	+CAB 1	Main Cabinet
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		Name	Status						GmbH & Co. KG	ELECTRICAL SCHEMATICS

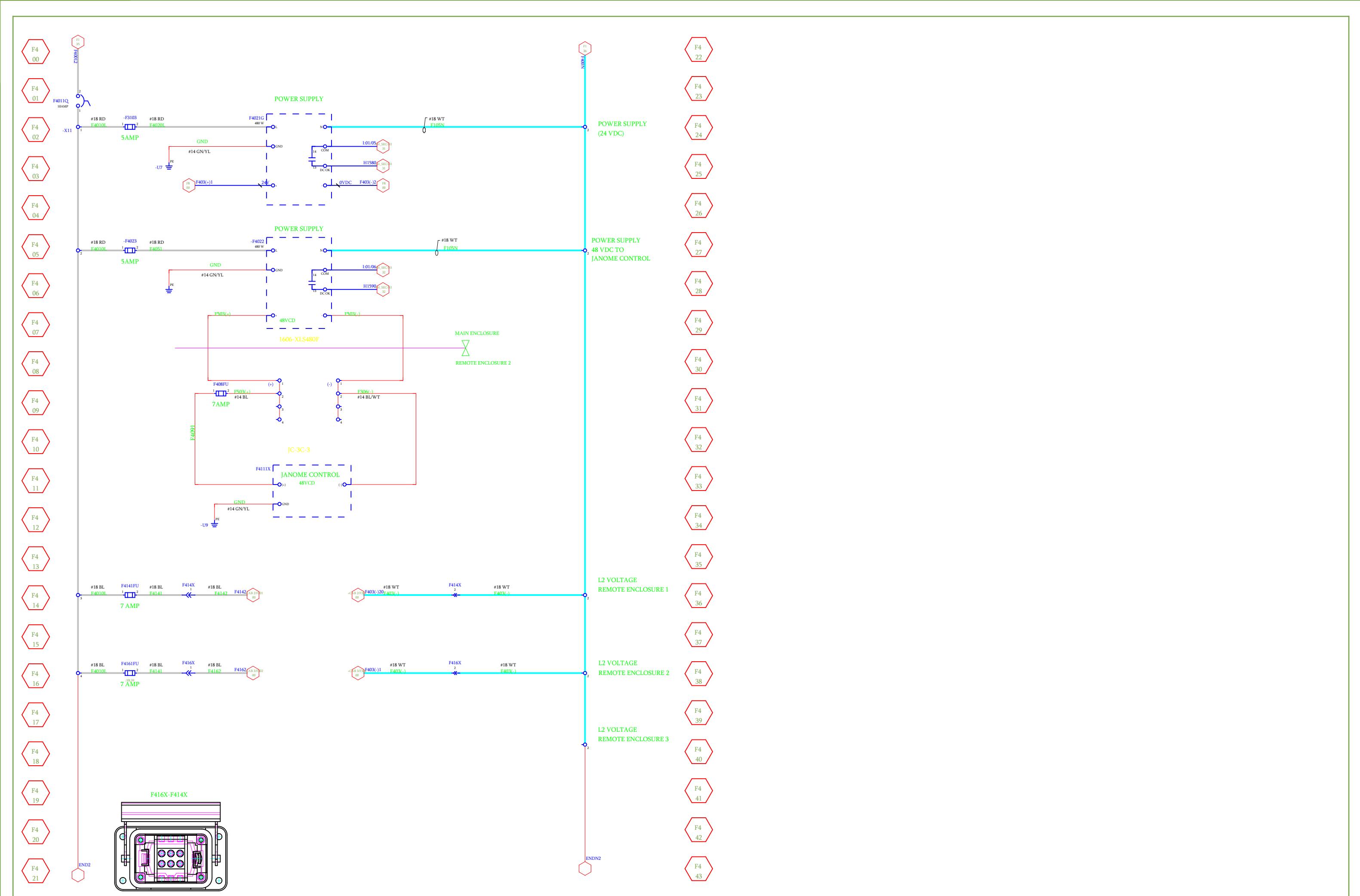


Plantilla de proyecto con estructura de designación según los estándares

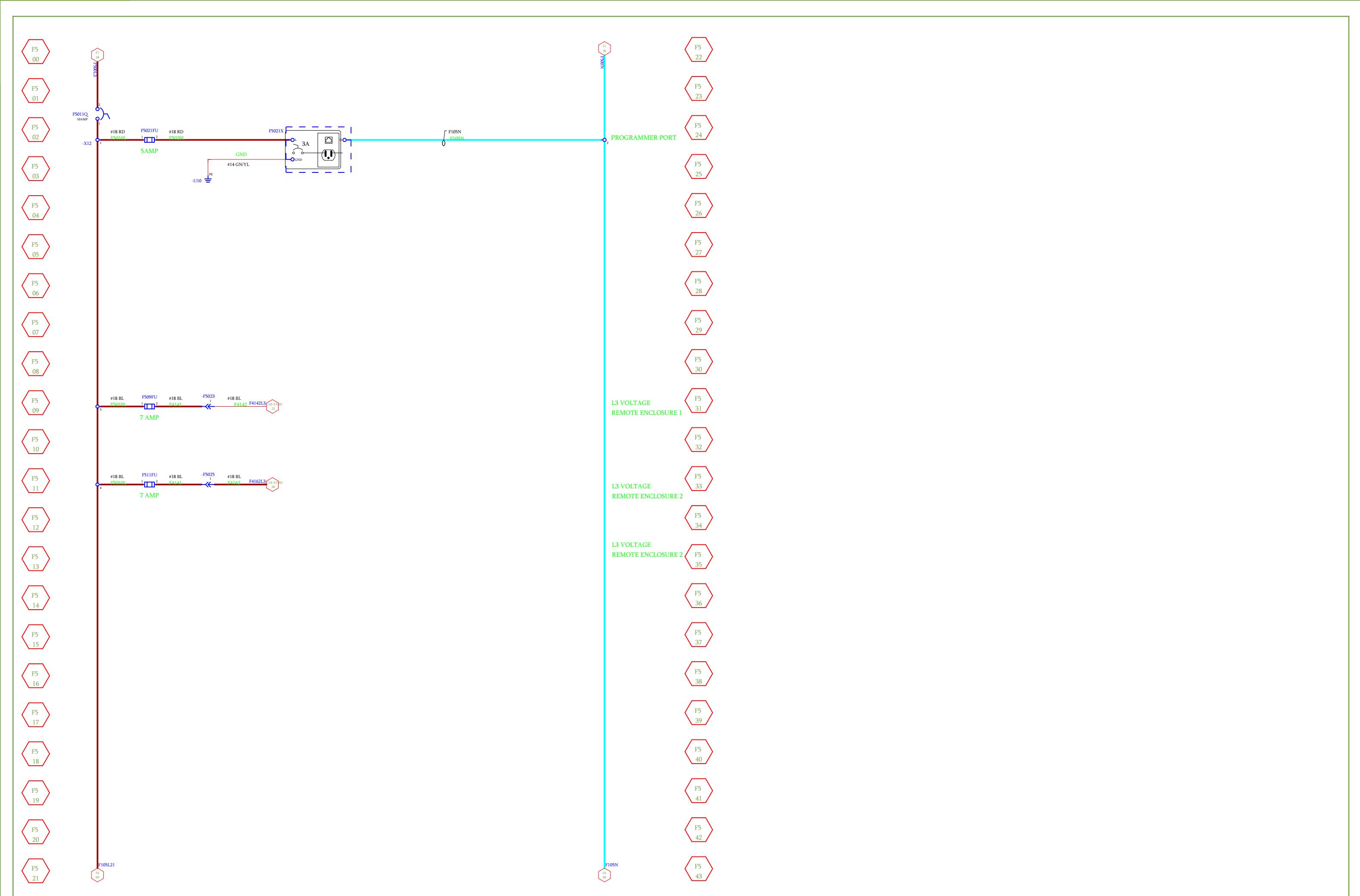
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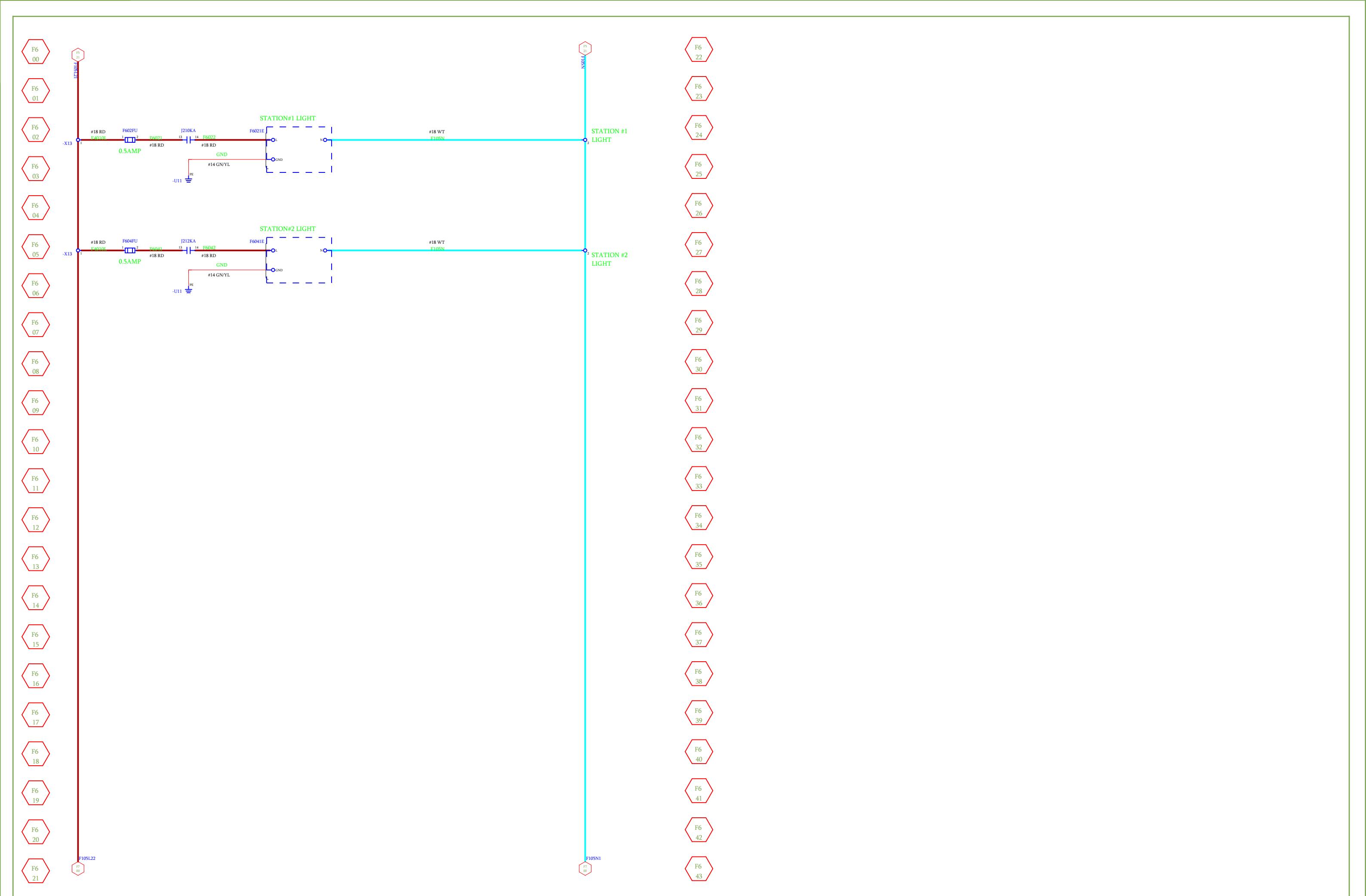
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		Name	Status							F3



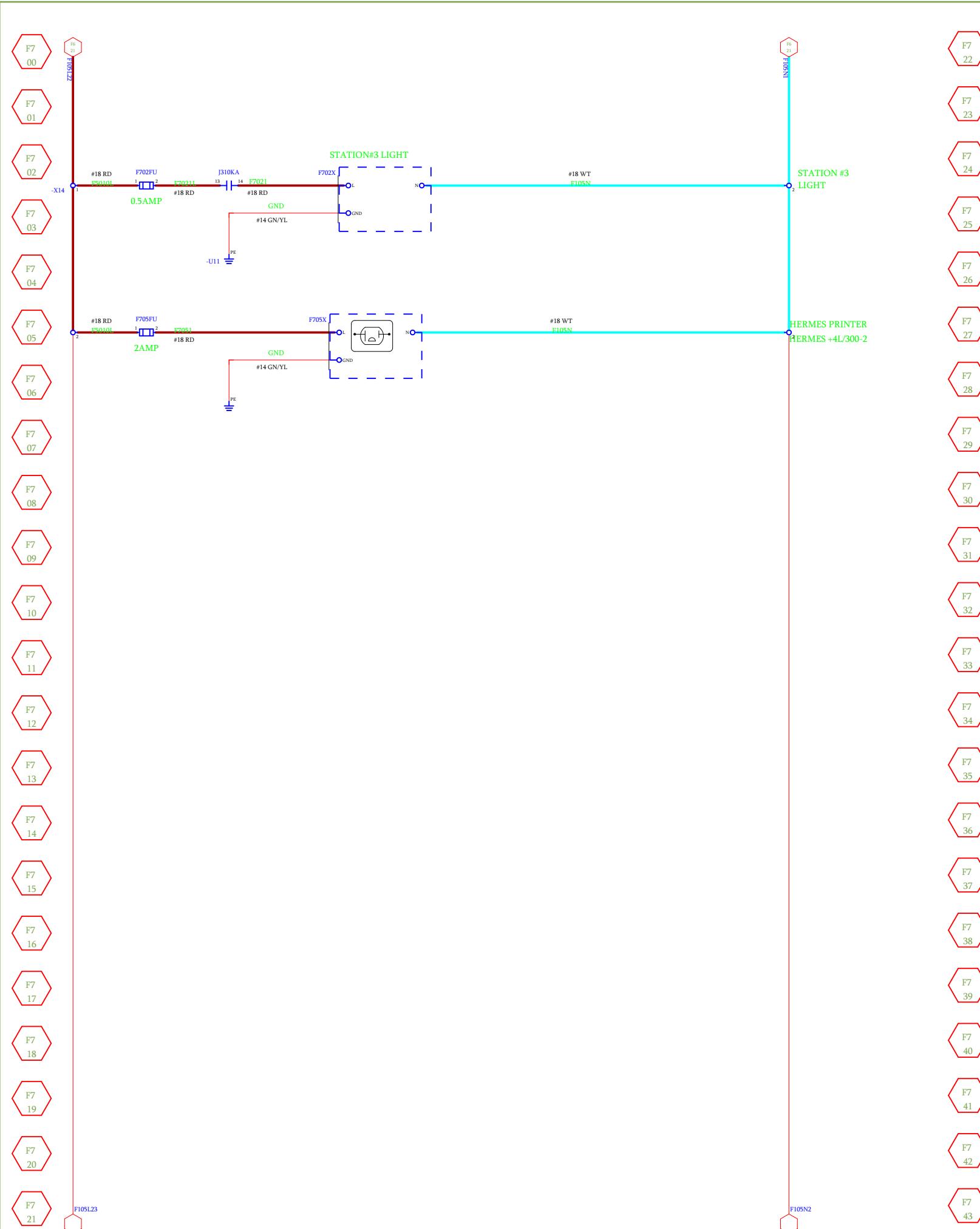
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										GmbH & Co. LEAR CORPORATION
		Name	Status			Project number	NFPA_tpl001		Plantilla de proyecto con estructura de designación según los estándares	F4



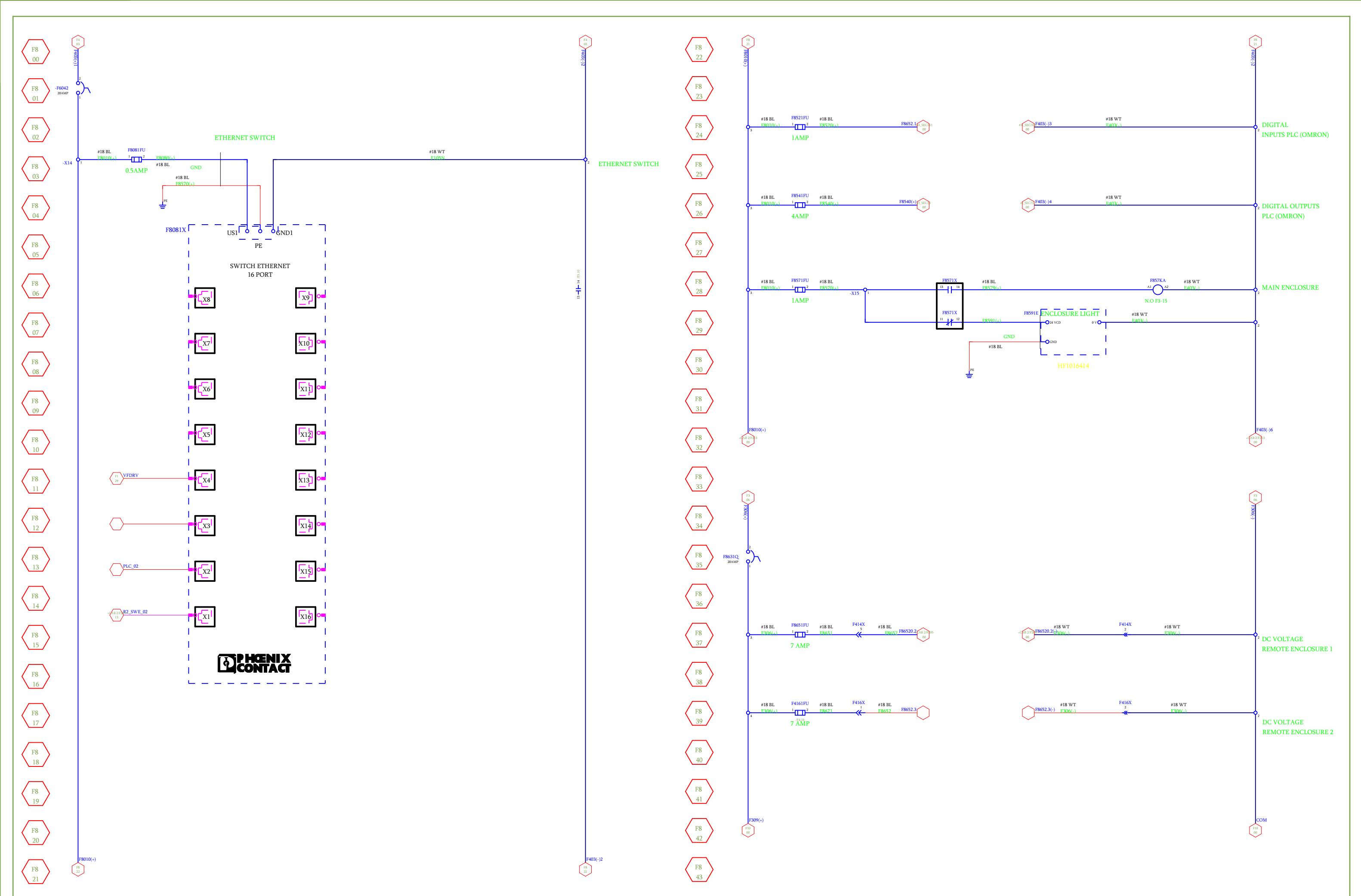
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de	POWER ENCLOSURE 120 VCA L3	+CAB 1	Main Cabinet
				LGU1909						EPLAN Software & Service & EFS
		Name	Status							GmbH & Co. LEAR CORPORATION



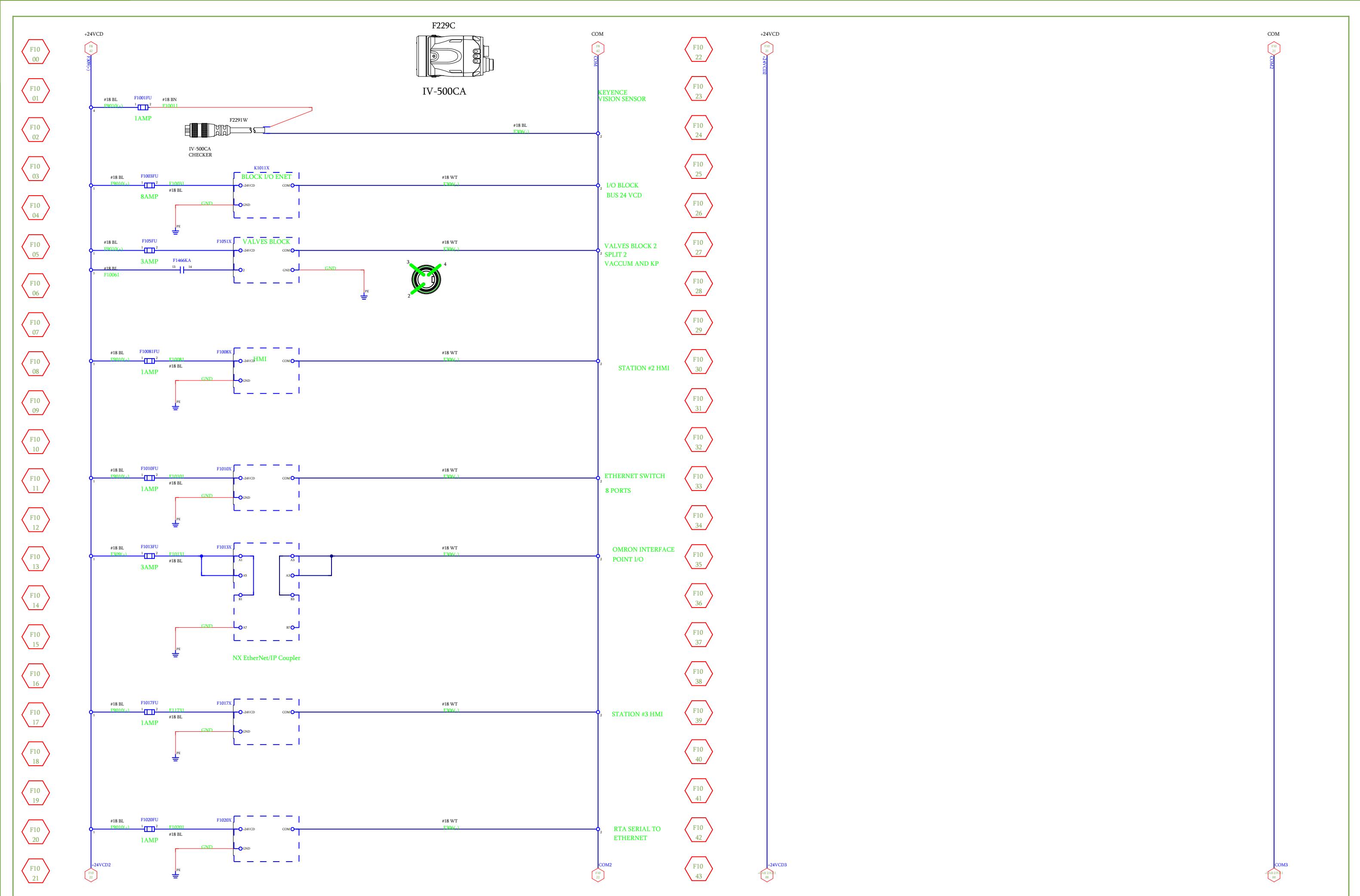
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	LIGHT	+CAB 1 EPLAN Software & Service & EFS GmbH & Co. KG	Main Cabinet
				LGU1909						ELECTRICAL SCHEMATICS
		Name	Status							F6



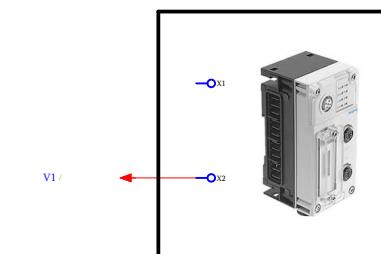
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		Name	Status							F7



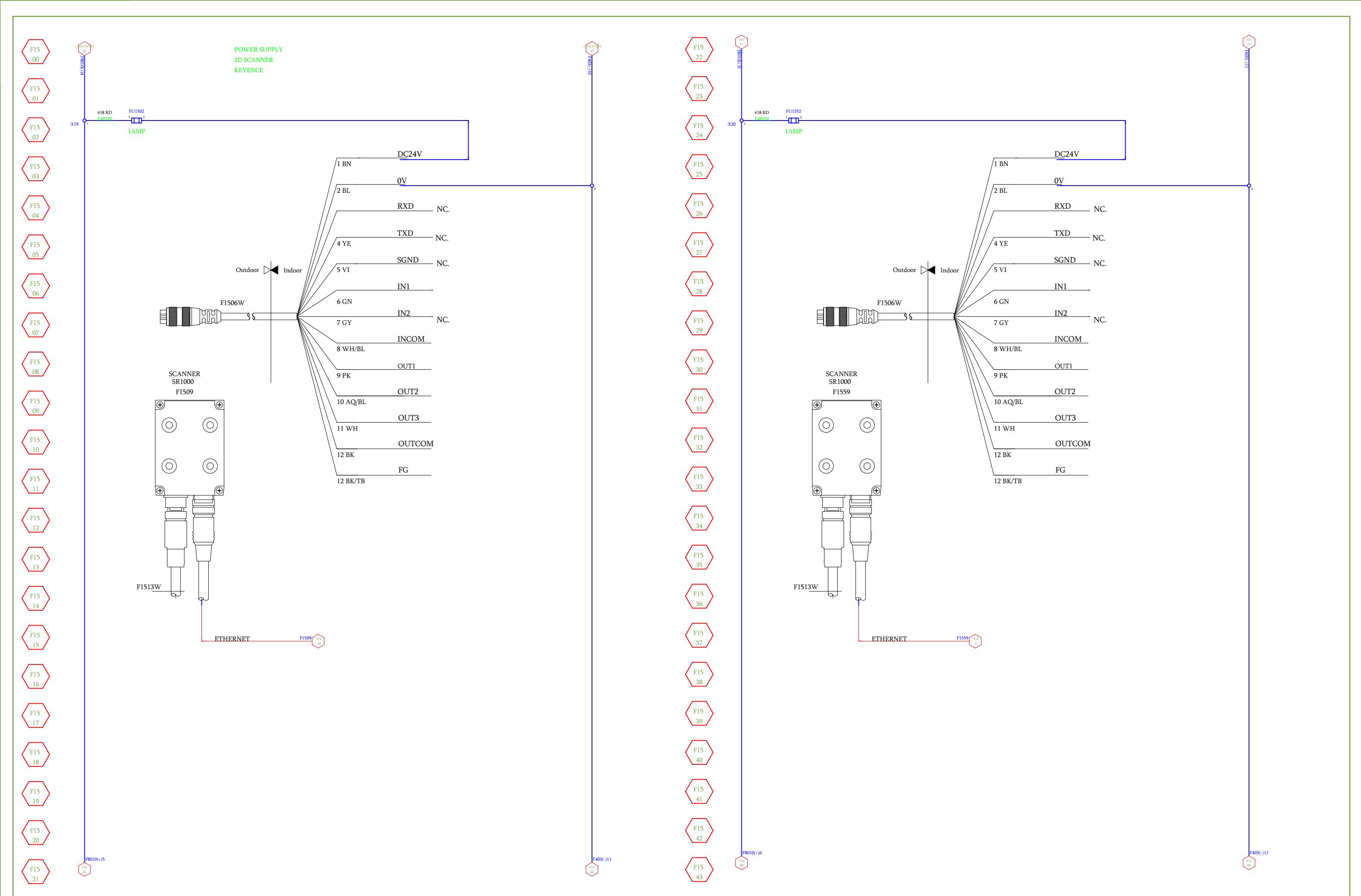
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		Name	Status						F8



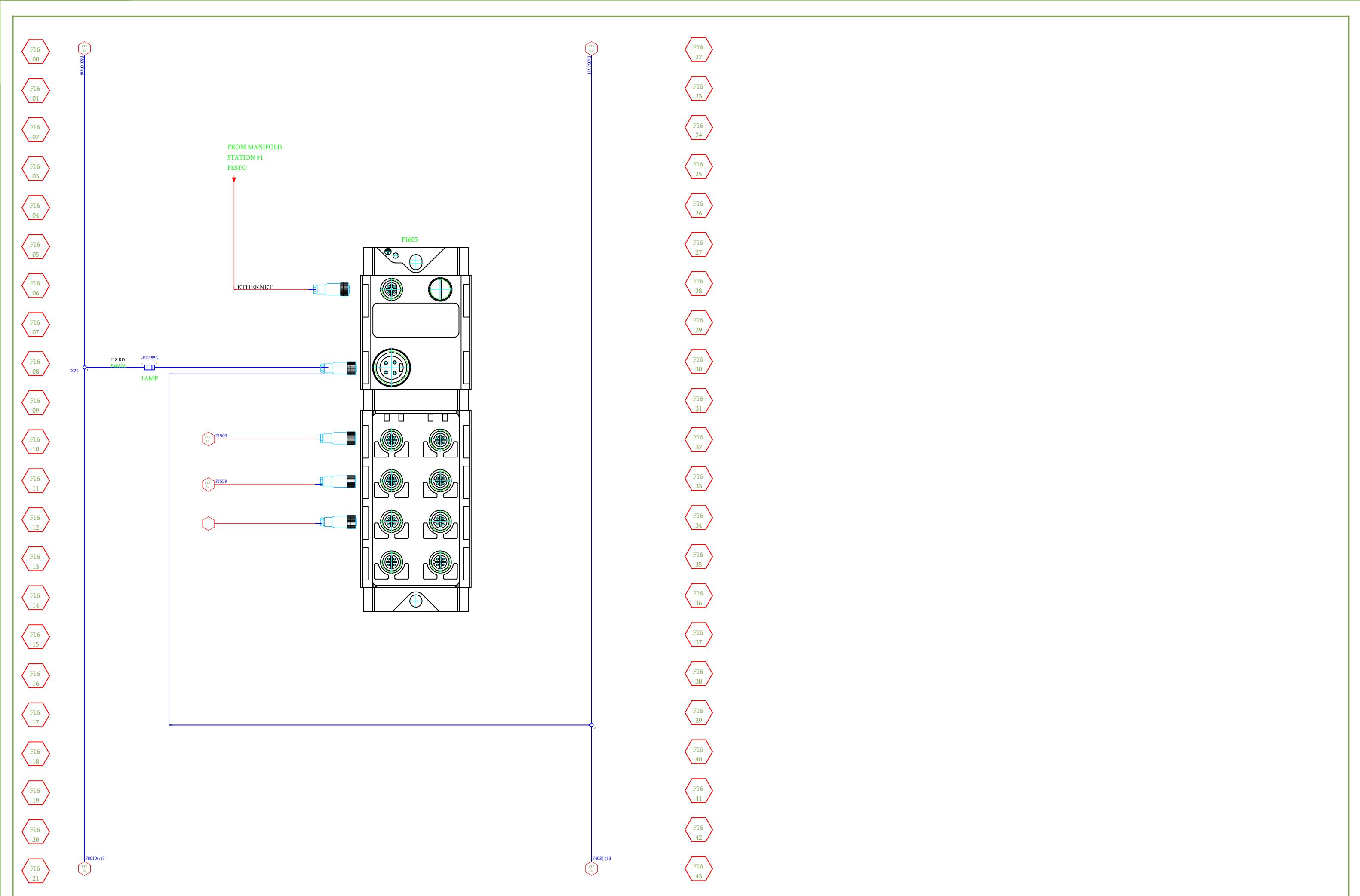
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				LGU1909					EPLAN Software & Service & EFS	ELECTRICAL SCHEMATICS
	Name	Status							GmbH & Co. LEAR CORPORATION	Plantilla de proyecto con estructura de designación según los estándares
										F10



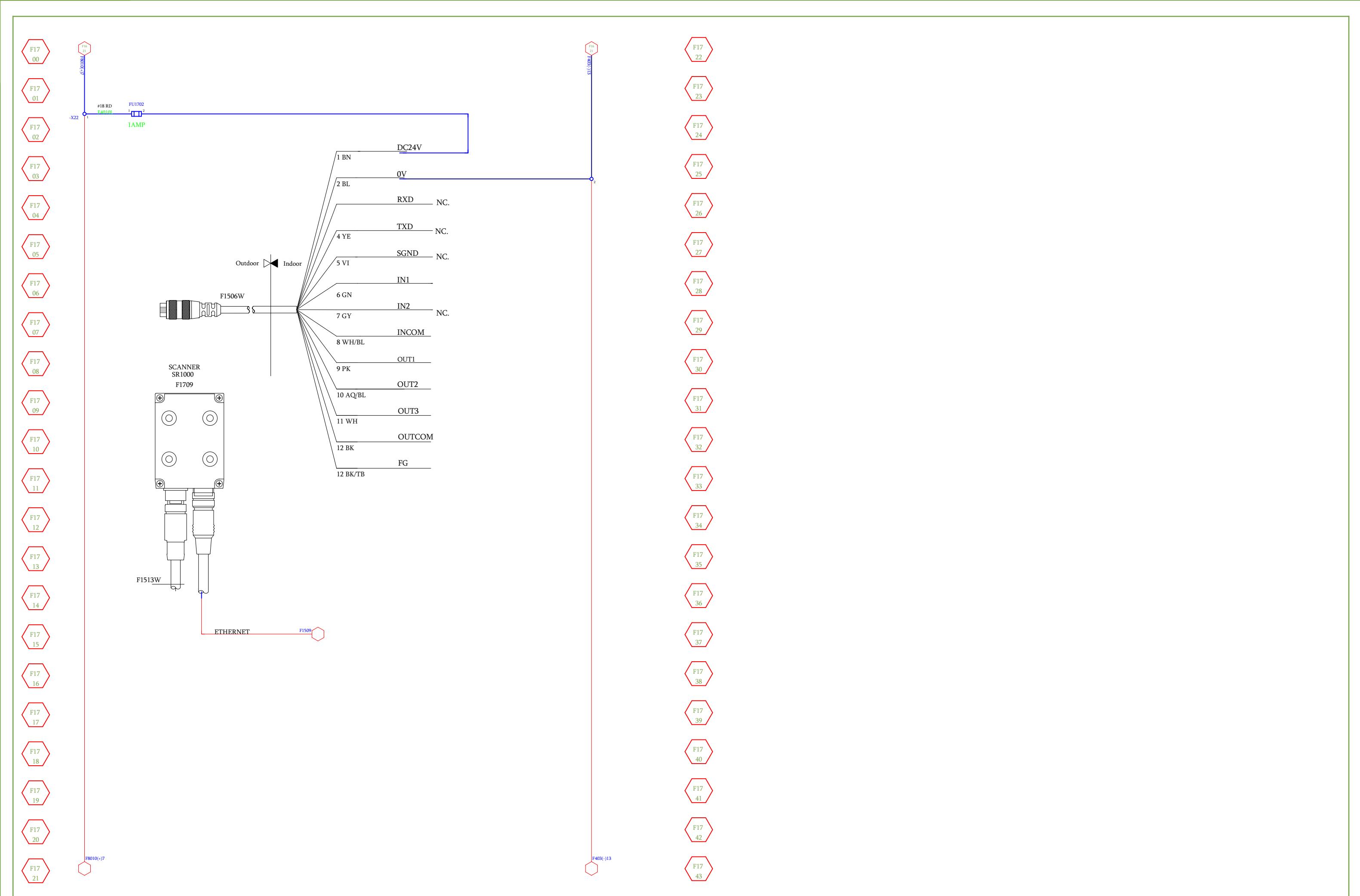
				09/07/2025	IPT ^E Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	POWER ENCLOSURE 24 VDC	+CAB 1	Main Cabinet
				LGU1909					EPLAN Software & Service & EFS GmbH & Co. KG	ELECTRICAL SCHEMATICS
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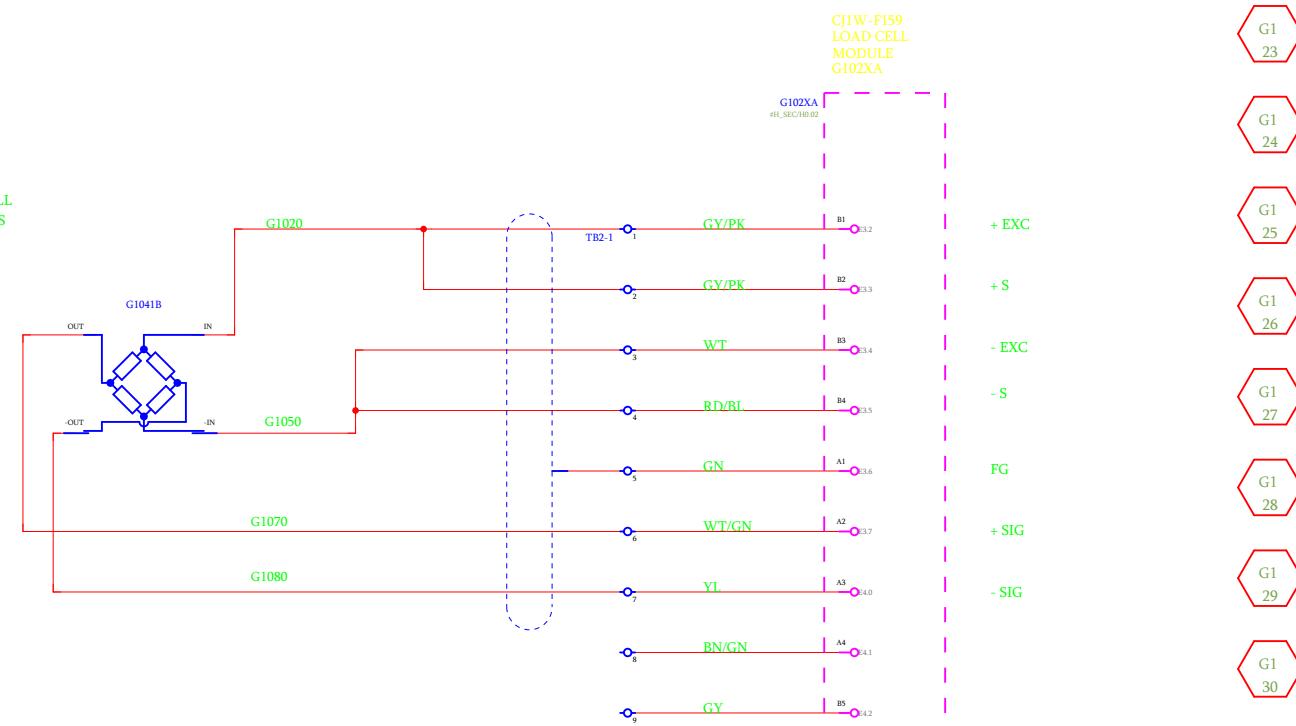
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippte.com	Plantilla de proyecto con estructura de	SR1000	+CAB 1	Main Cabinet
				LGU1909						EPLAN Software & Service & EFS
										GmbH & Co. LEAR CORPORATION
	Name	Status								Plantilla de proyecto con estructura de designación según los estándares



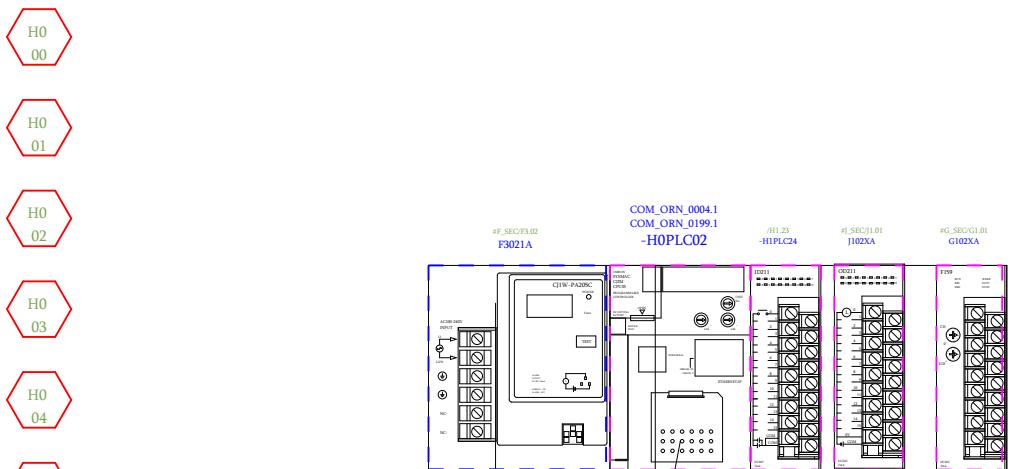
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	SW ETERNET	+CAB 1 EPLAN Software & Service & EFS GmbH & Co. KG	Main Cabinet
				LGU1909						ELECTRICAL SCHEMATICS
		Name	Status							F16



				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	SR1000	+CAB 1 EPLAN Software & Service & EFS GmbH & Co. KG	Main Cabinet
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	Name	Status								F17



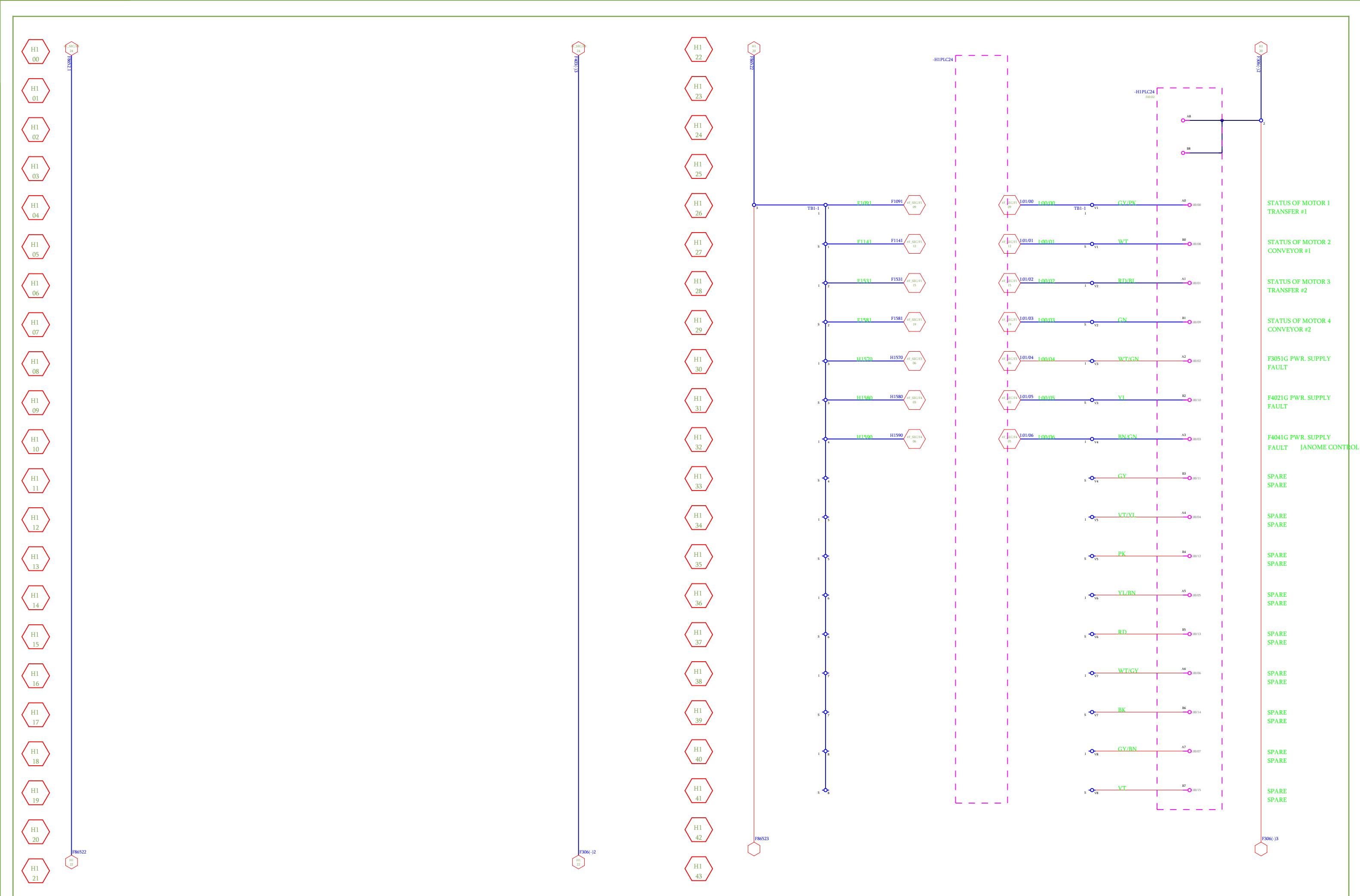
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		Name	Status							GmbH & Co. LEAR CORPORATION



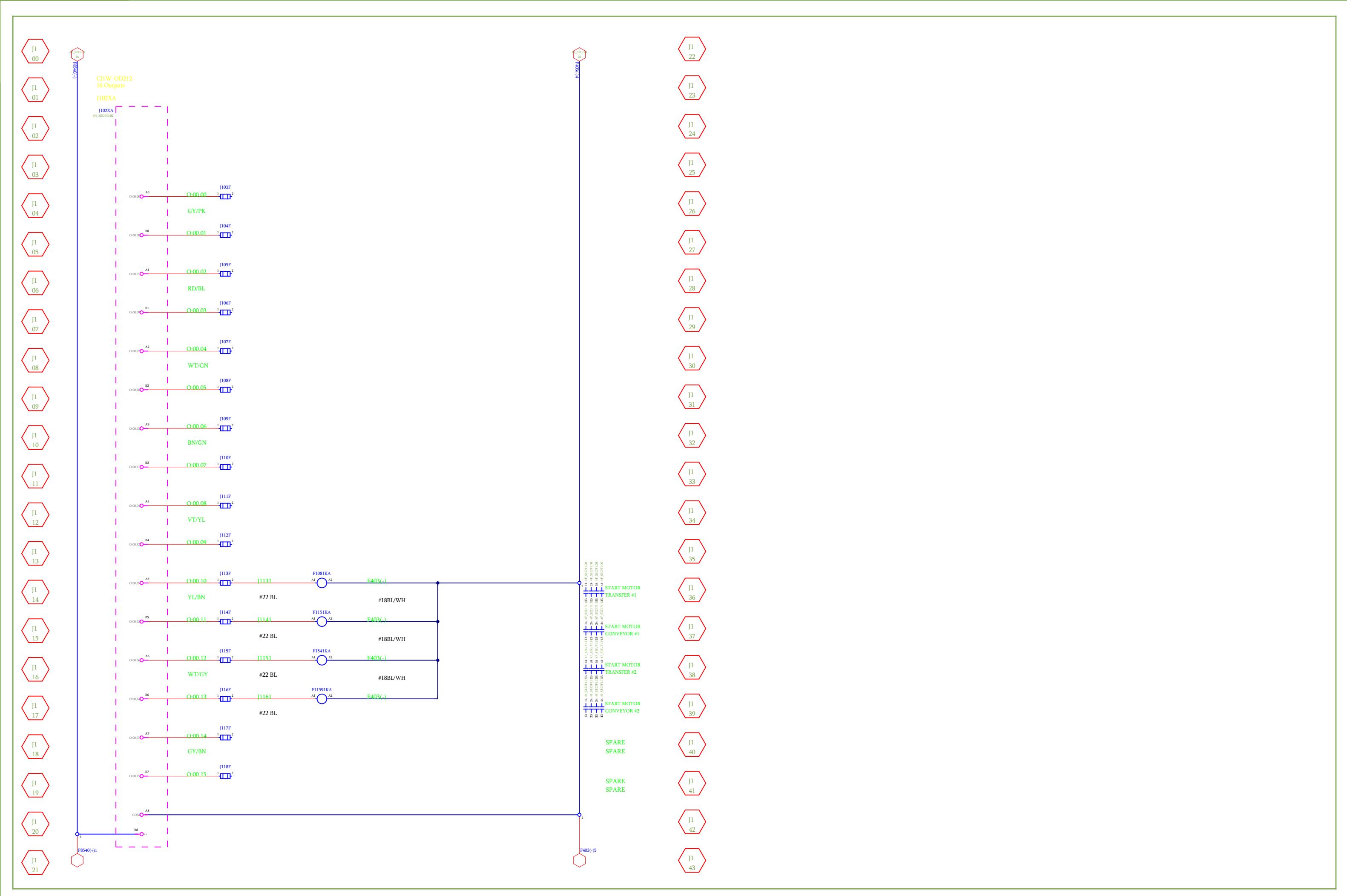
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				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC LAYOUT	+CAB 1 EPLAN Software & Service & EFS GmbH & Co. KG	Main Cabinet
				LGU1909						ELECTRICAL SCHEMATICS
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				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	INPUT MAIN	+CAB 1 EPLAN Software & Service & EFS GmbH & Co. KG	Main Cabinet
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				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de OUTPUT MAIN	+CAB 1	Main Cabinet
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									Plantilla de proyecto con estructura de designación según los estándares N

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				09/07/2025	IPTe Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax : +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	REMOTE 1	+CAB 2	REMOTE 1(STATION 1)
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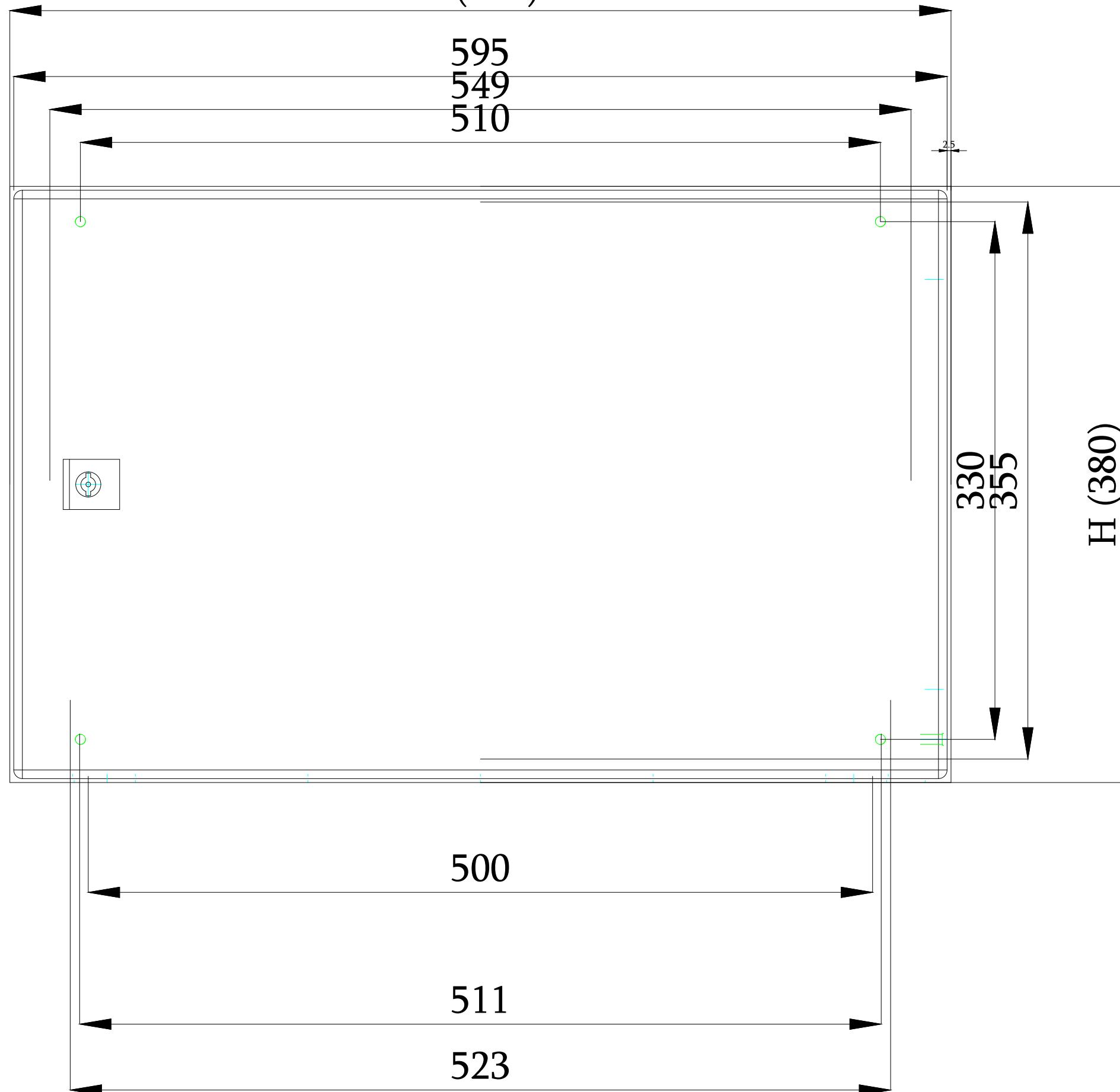
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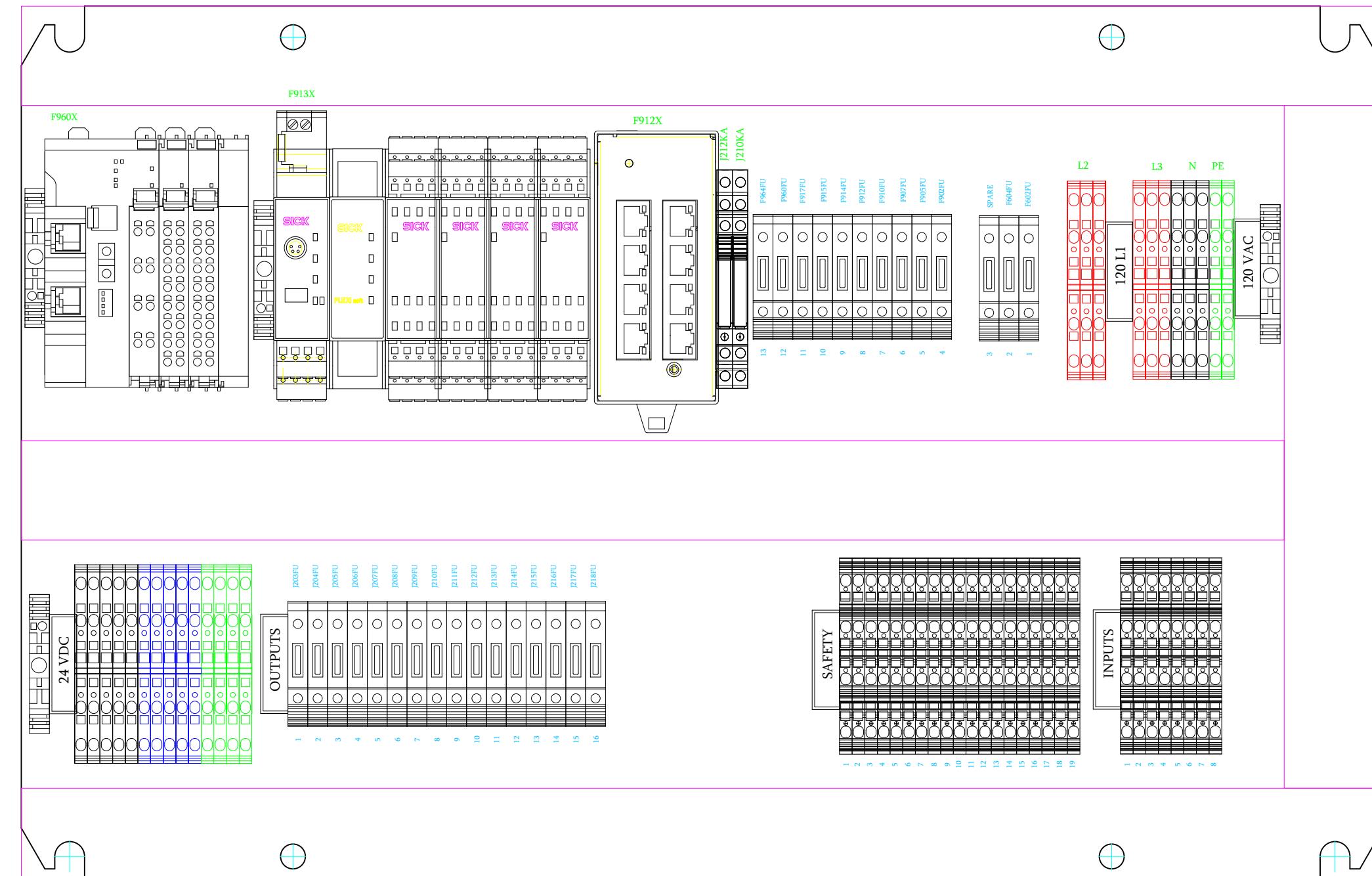
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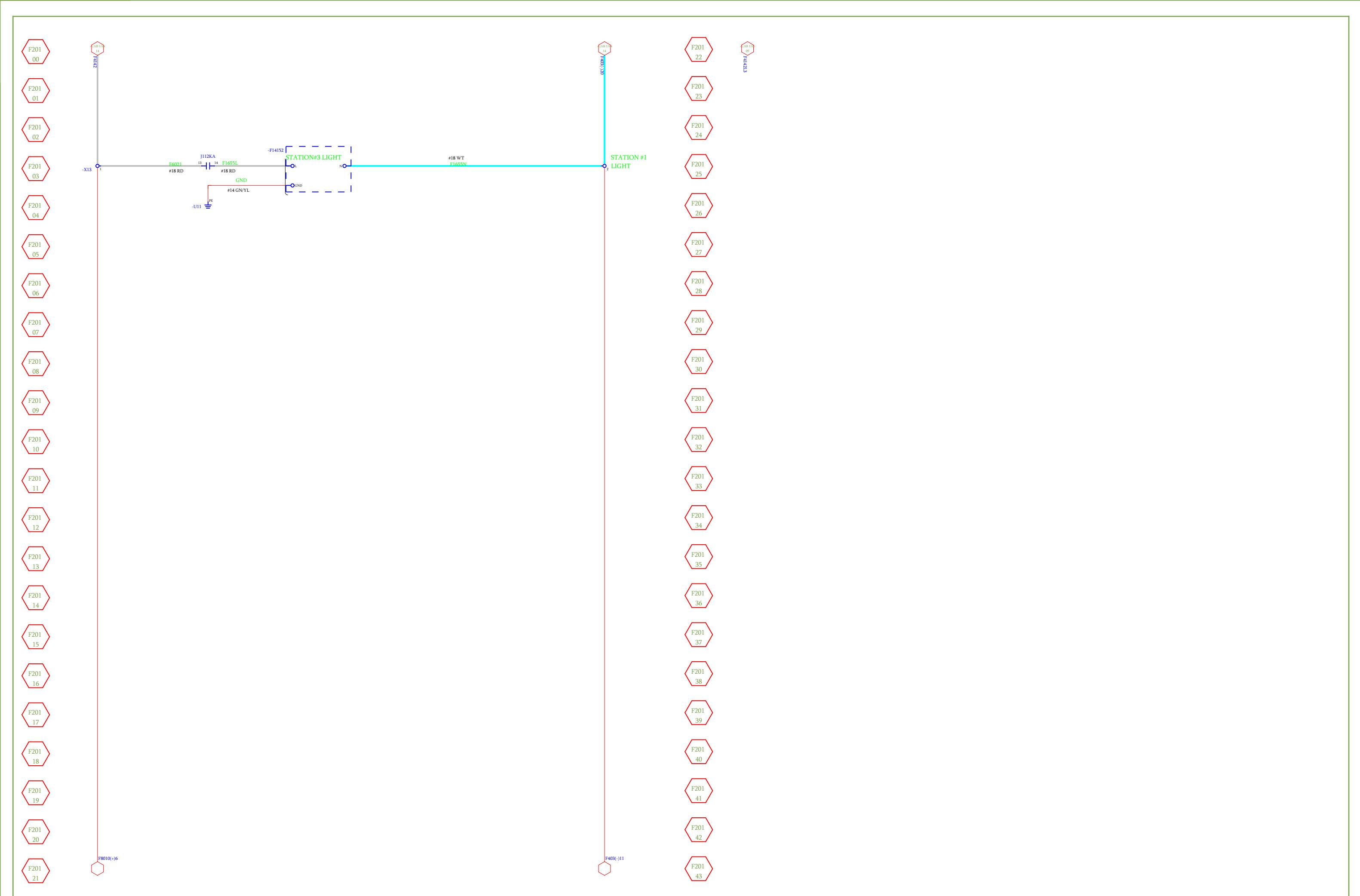
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REMOTE 1



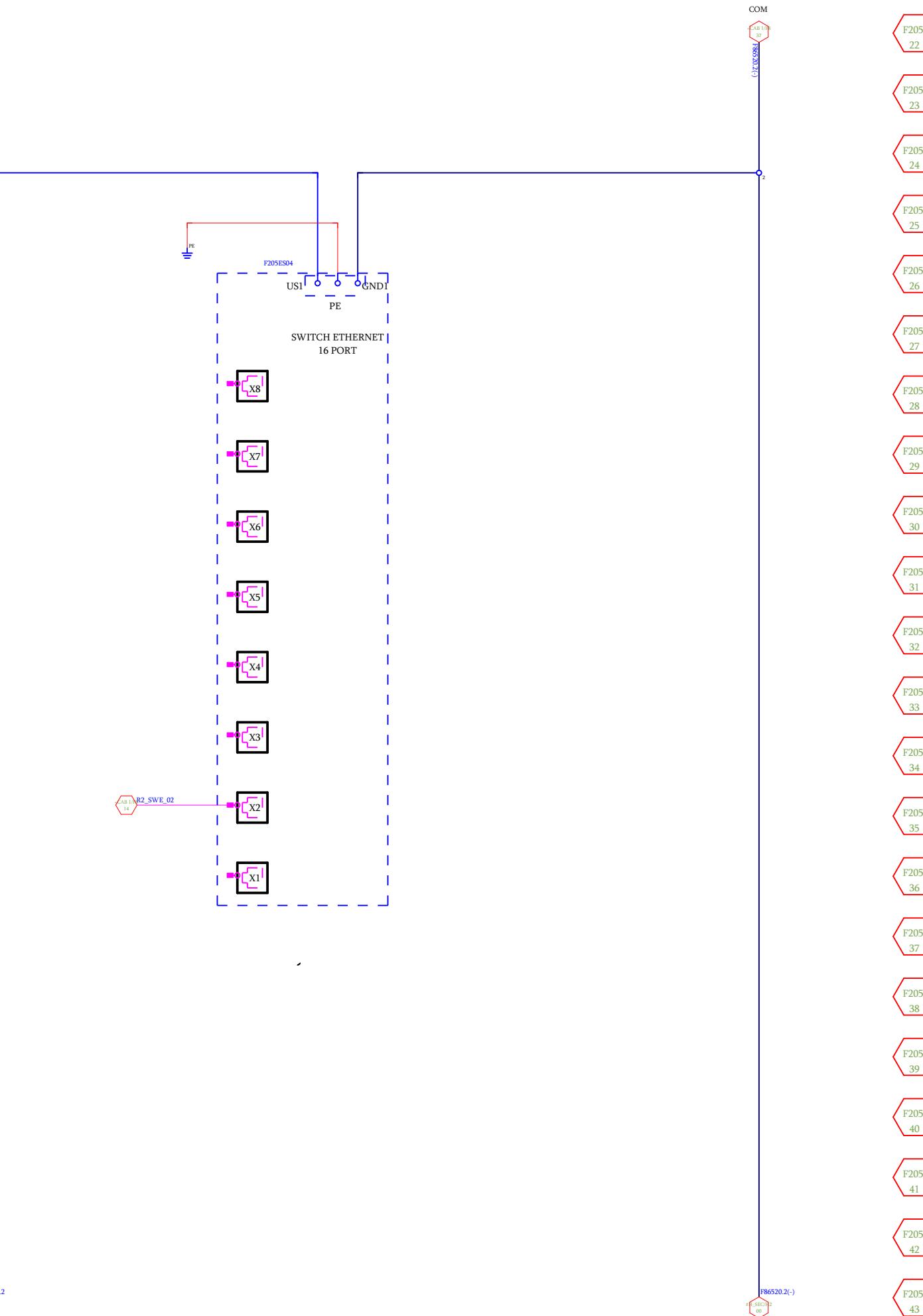
				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone : +34 977 271 054 Fax : +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	REMOTE 1	+CAB 2	REMOTE 1(STATION 1)
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	Name	Status							GmbH & Co.	E202



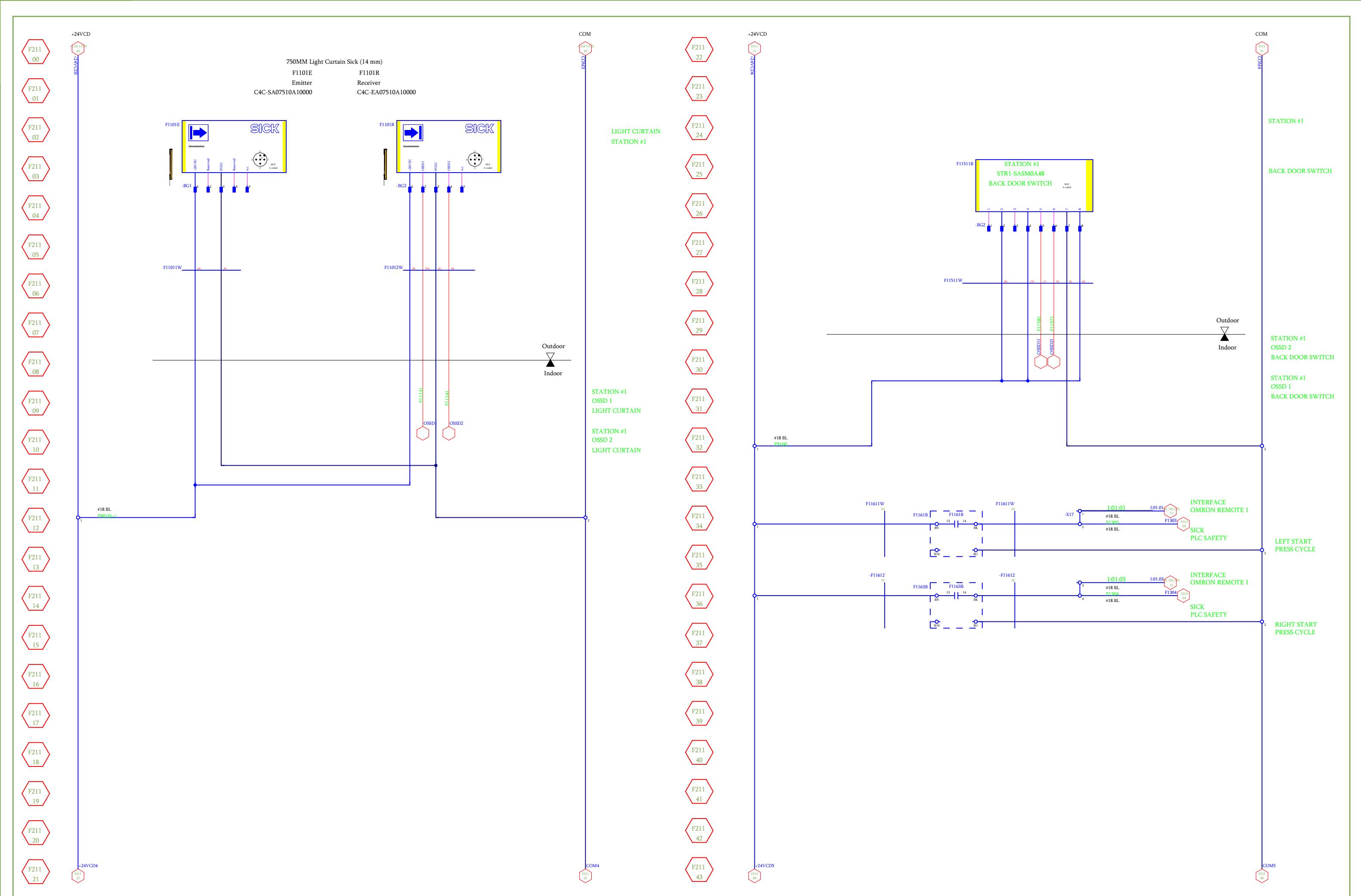
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		Name	Status						GmbH & Co. KG	F201



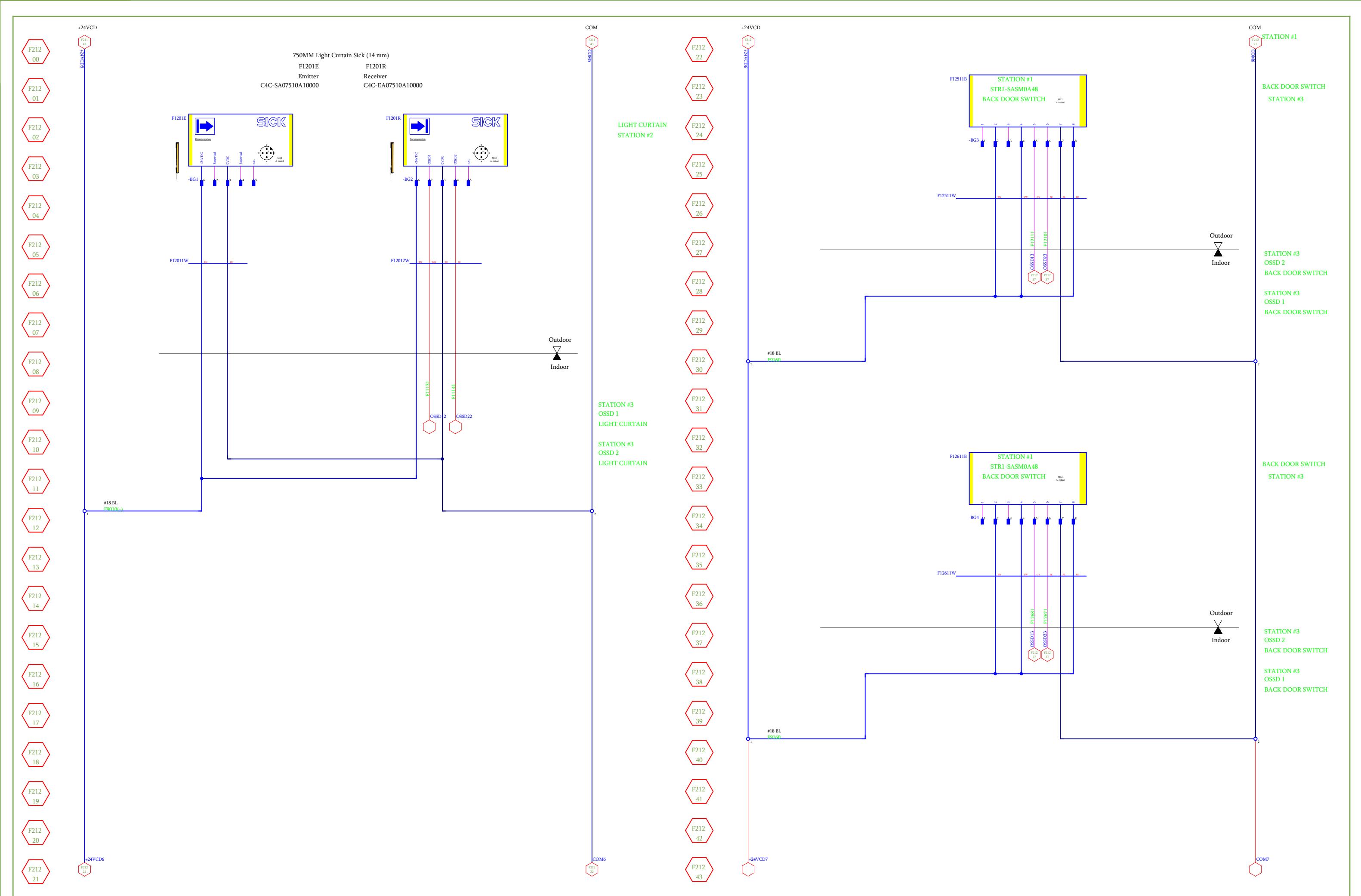
Plantilla de proyecto con estructura de designación según los estándares F201



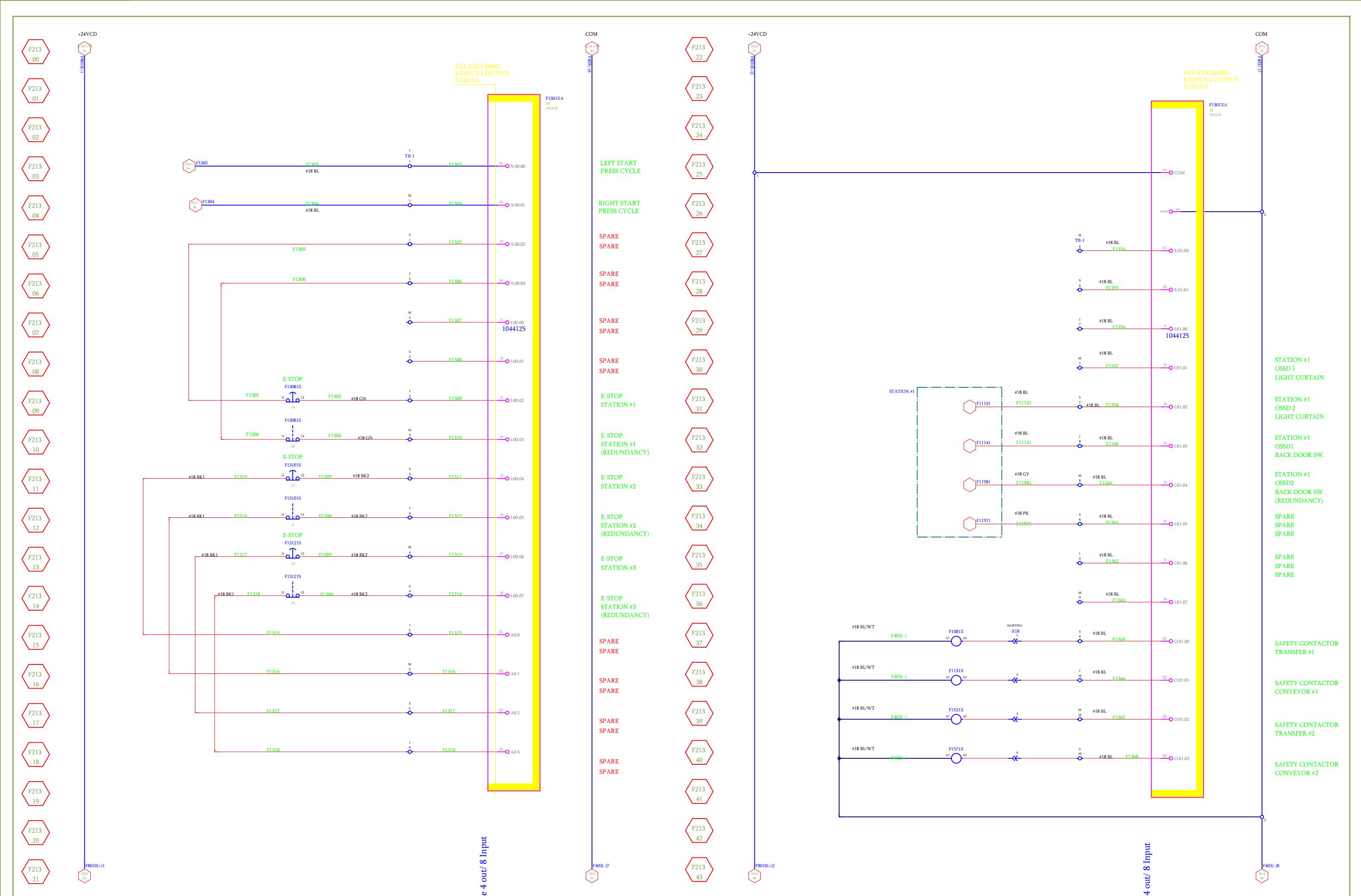
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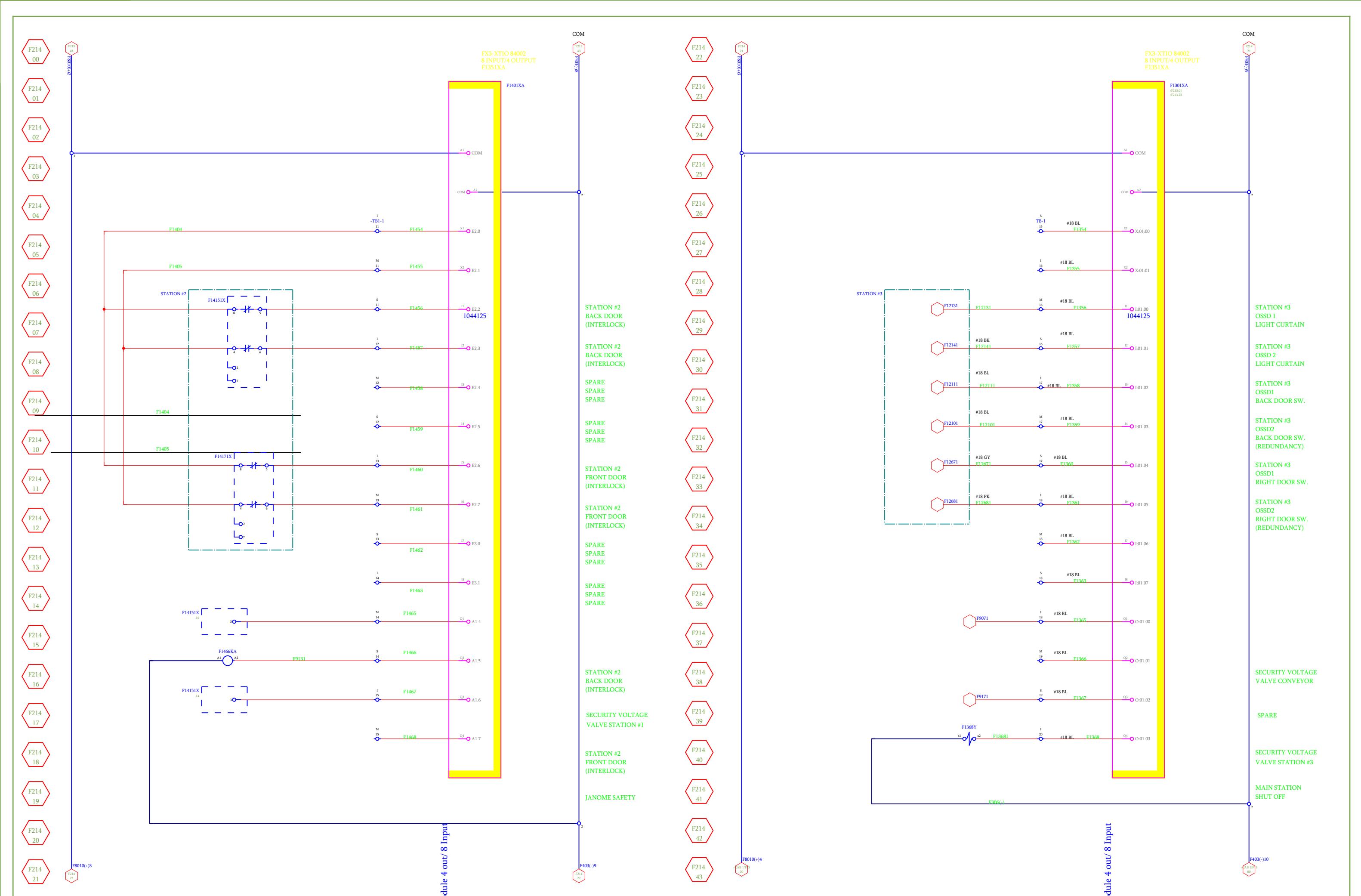


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				LGU1909					& EFS	ELECTRICAL SCHEMATICS
	Name	Status								F211

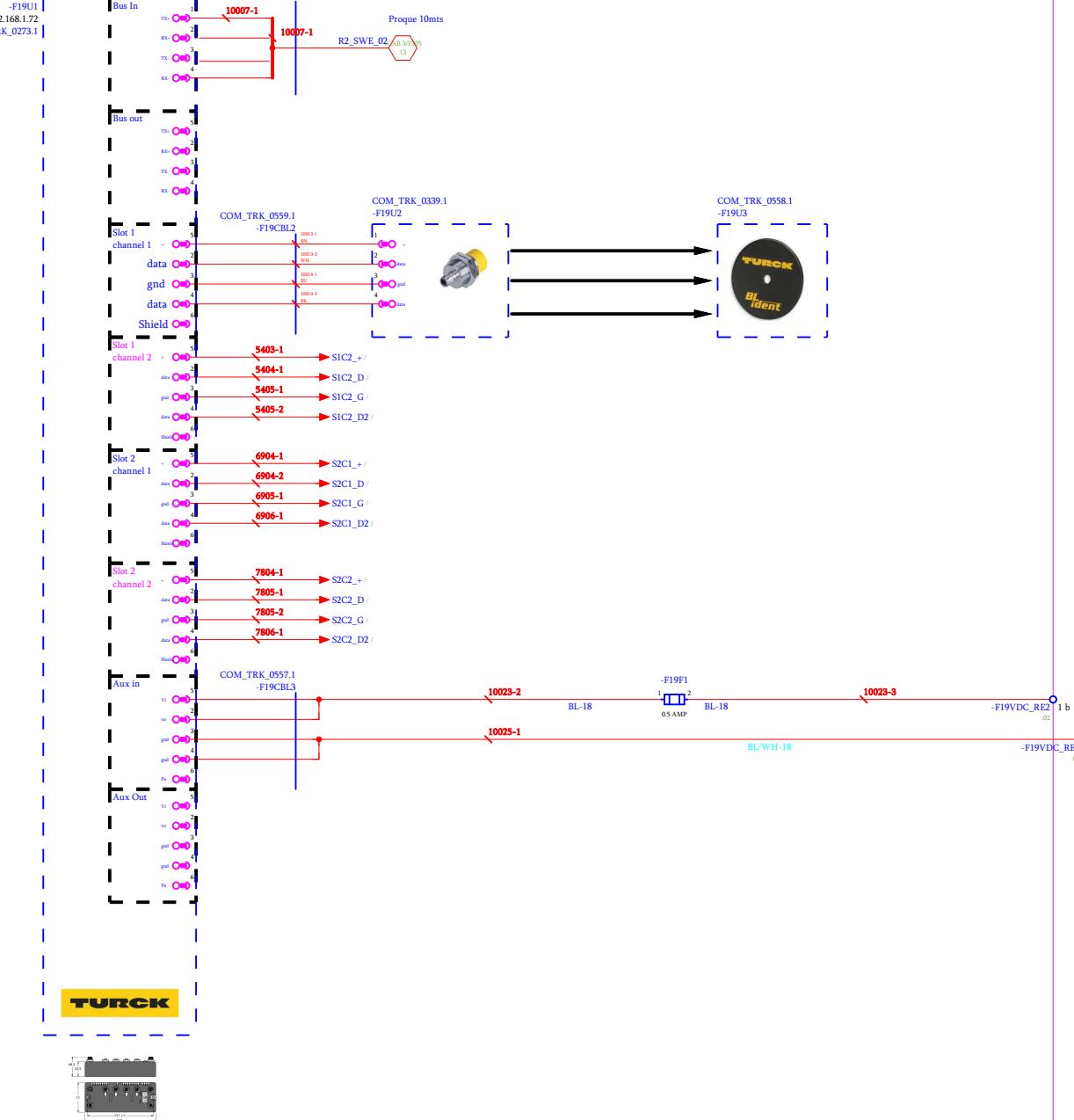


				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	Light Curtain Sick	+CAB 2	REMOTE 1(STATION 1)
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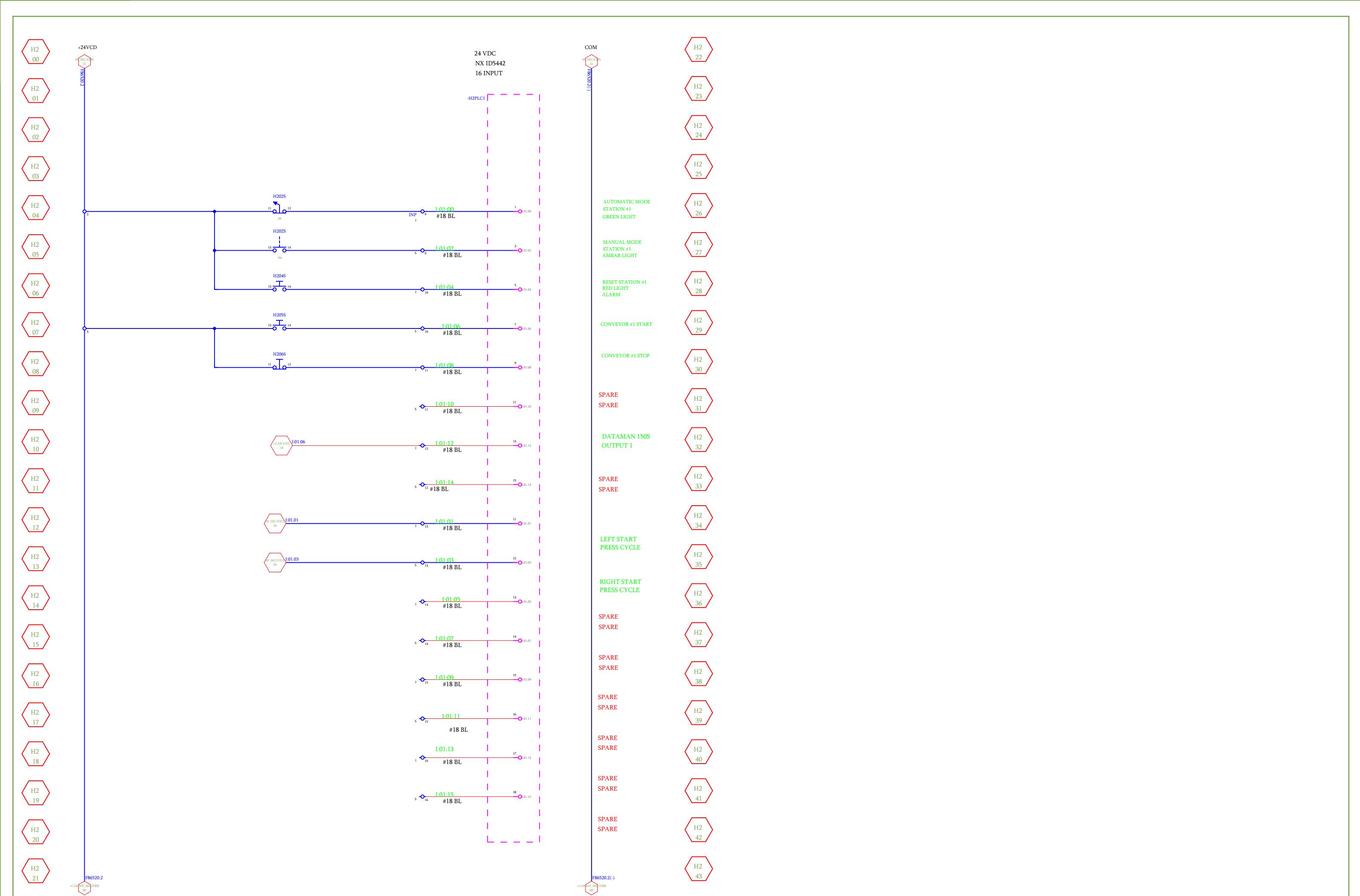


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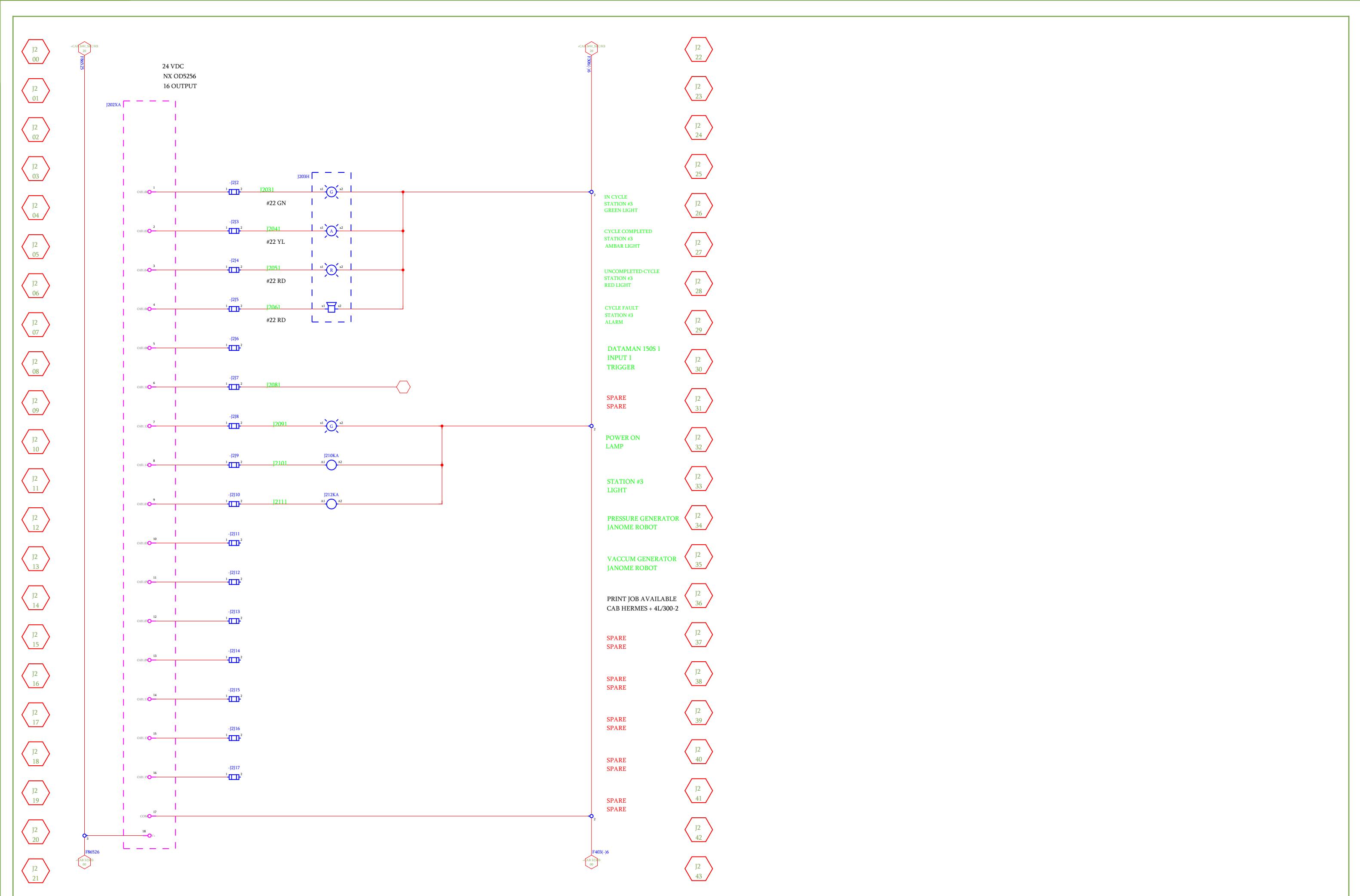
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	RFID HUB	+CAB 2	REMOTE 1(STATION 1)
				LGU1909					EPLAN Software & Service & EFS	
		Name	Status						GmbH & Co. LEAR CORPORATION	ELECTRICAL SCHEMATICS



				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	INPUT REMOTE 1	+CAB 2 EPLAN Software & Service & EFS GmbH & Co. KG	REMOTE 1(STATION 1)
				LGU1909						ELECTRICAL SCHEMATICS
		Name	Status							H2



Plantilla de proyecto con estructura de designación según los estándares IEC



				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	OUTPUT REMOTE ENCLOSURE 1	+CAB 2	REMOTE 1(STATION 1)
				LGU1909					EPLAN Software & Service & EFS	
		Name	Status						Gmbh & Co. LEAR CORPORATION	ELECTRICAL SCHEMATICS

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				09/07/2025	IPTe Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax : +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	REMOTE 2	+CAB 3	REMOTE 2(STATION 3)
				LGU1909					EPLAN Software & Service & HTL	CABINET & PLATE LAYOUT
		Name	Status						GmbH & Co. 	E300

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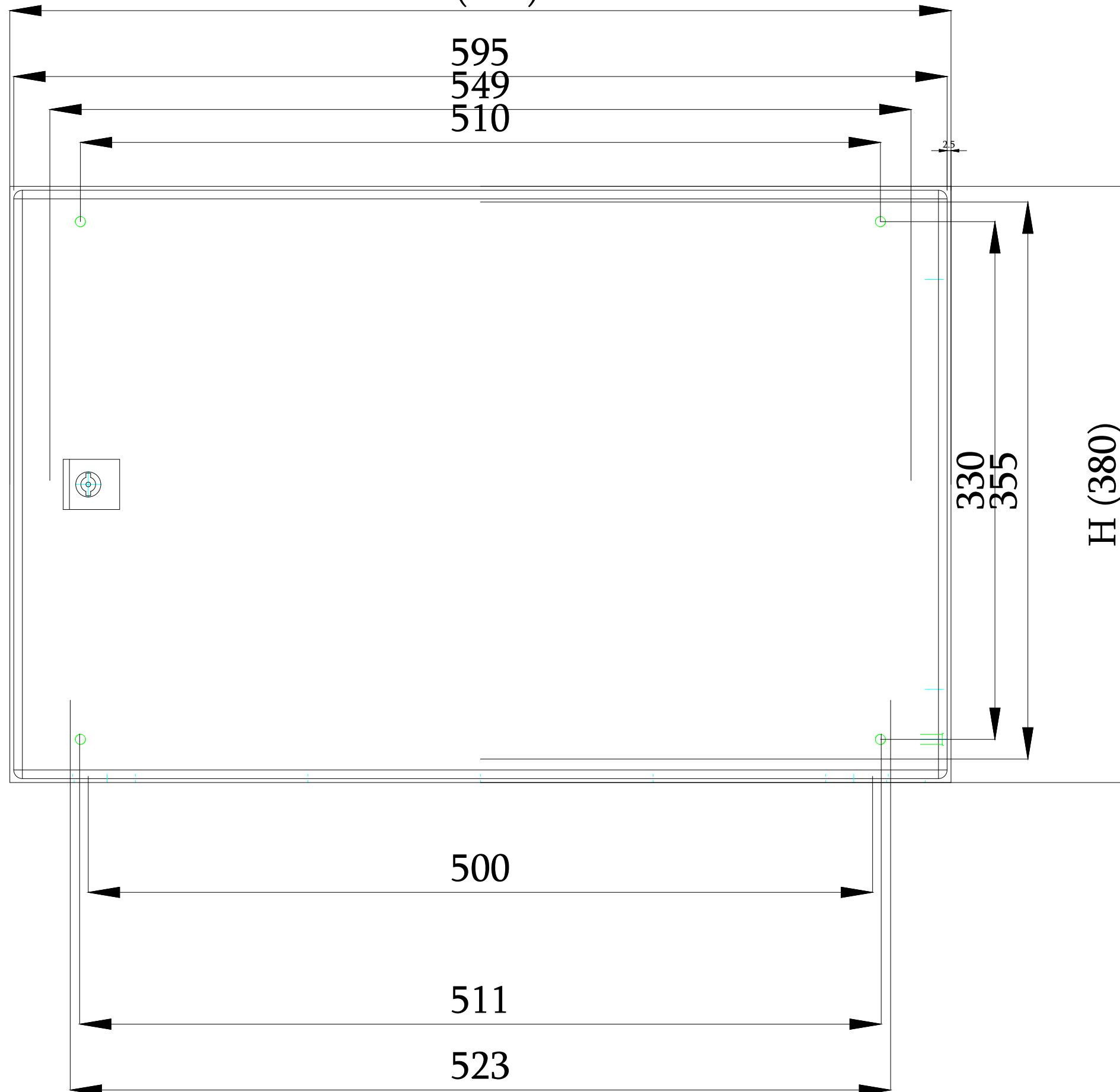
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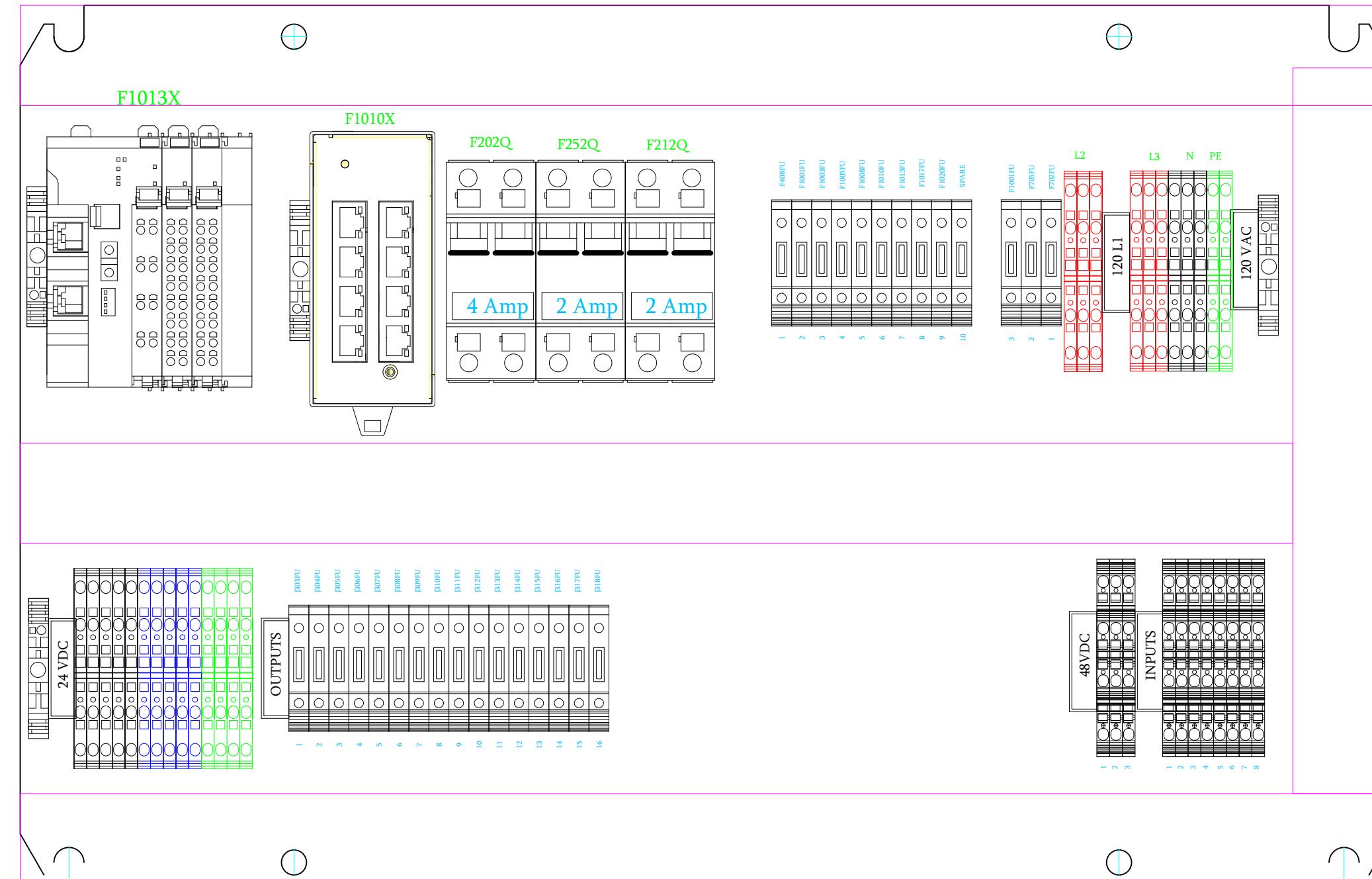


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				09/07/2025	IPT TM Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	REMOTE 2	+CAB 3	REMOTE 2(STATION 3)
				LGU1909					EPLAN Software & Service & HTL	CABINET & PLATE LAYOUT
		Name	Status						GmbH & Co. 	LEAR CORPORATION

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REMOTE 2



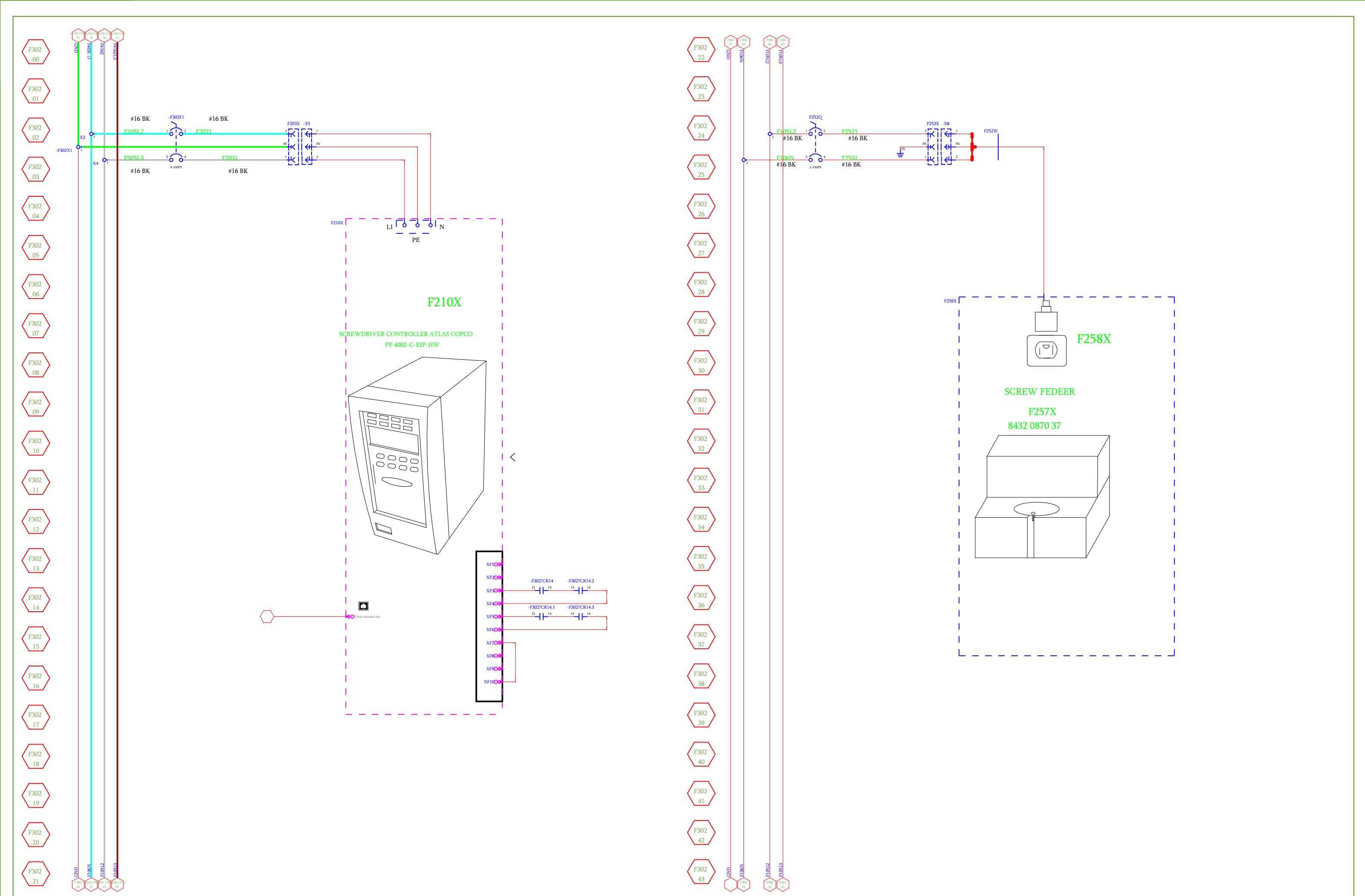
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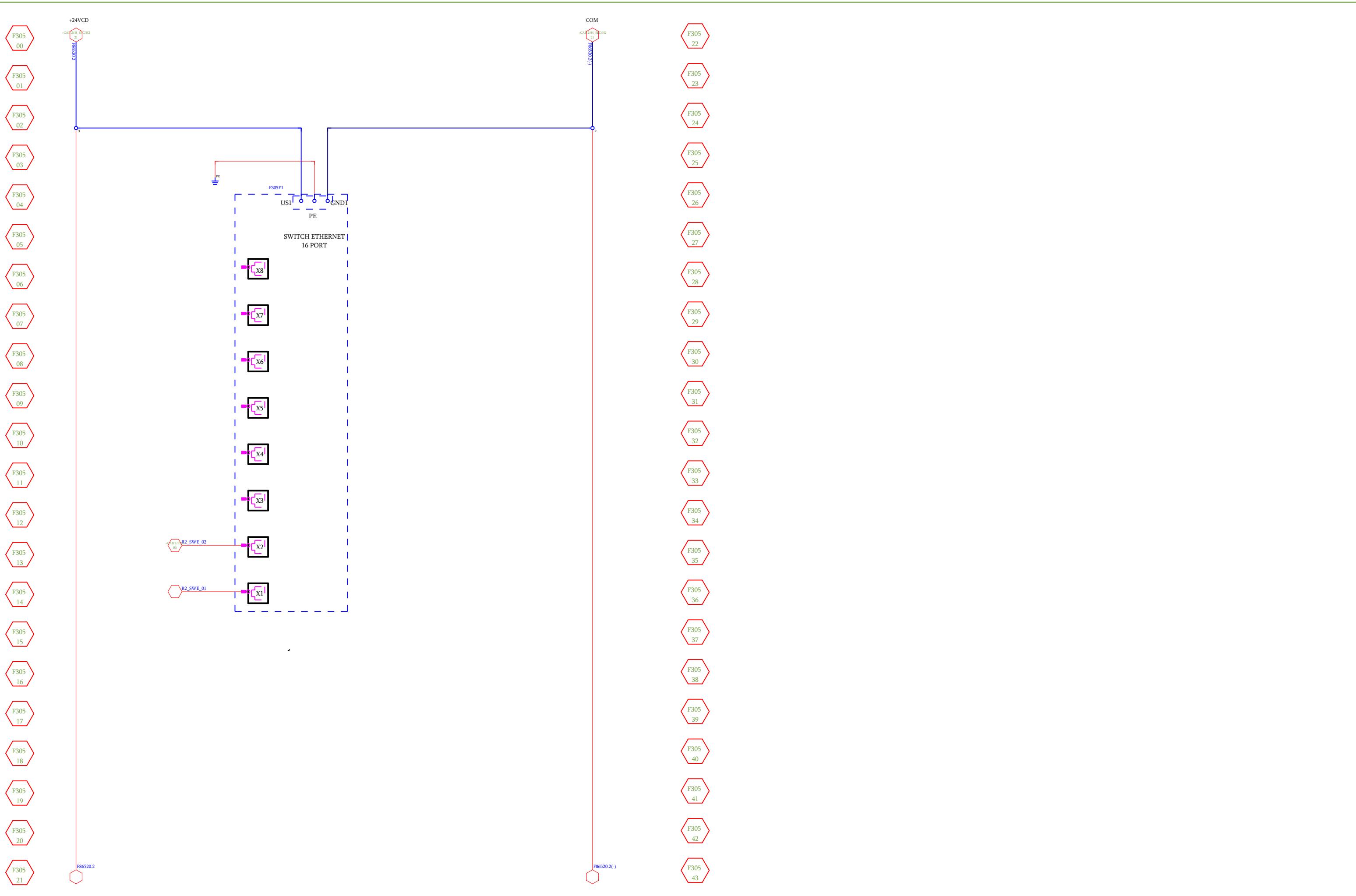
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	POWER SUPPLIED	+CAB 3	REMOTE 2(STATION 3)
				LGU1909					EPLAN Software & Service & EFS	ELECTRICAL SCHEMATICS
		Name	Status						GmbH & Co. KG	F301



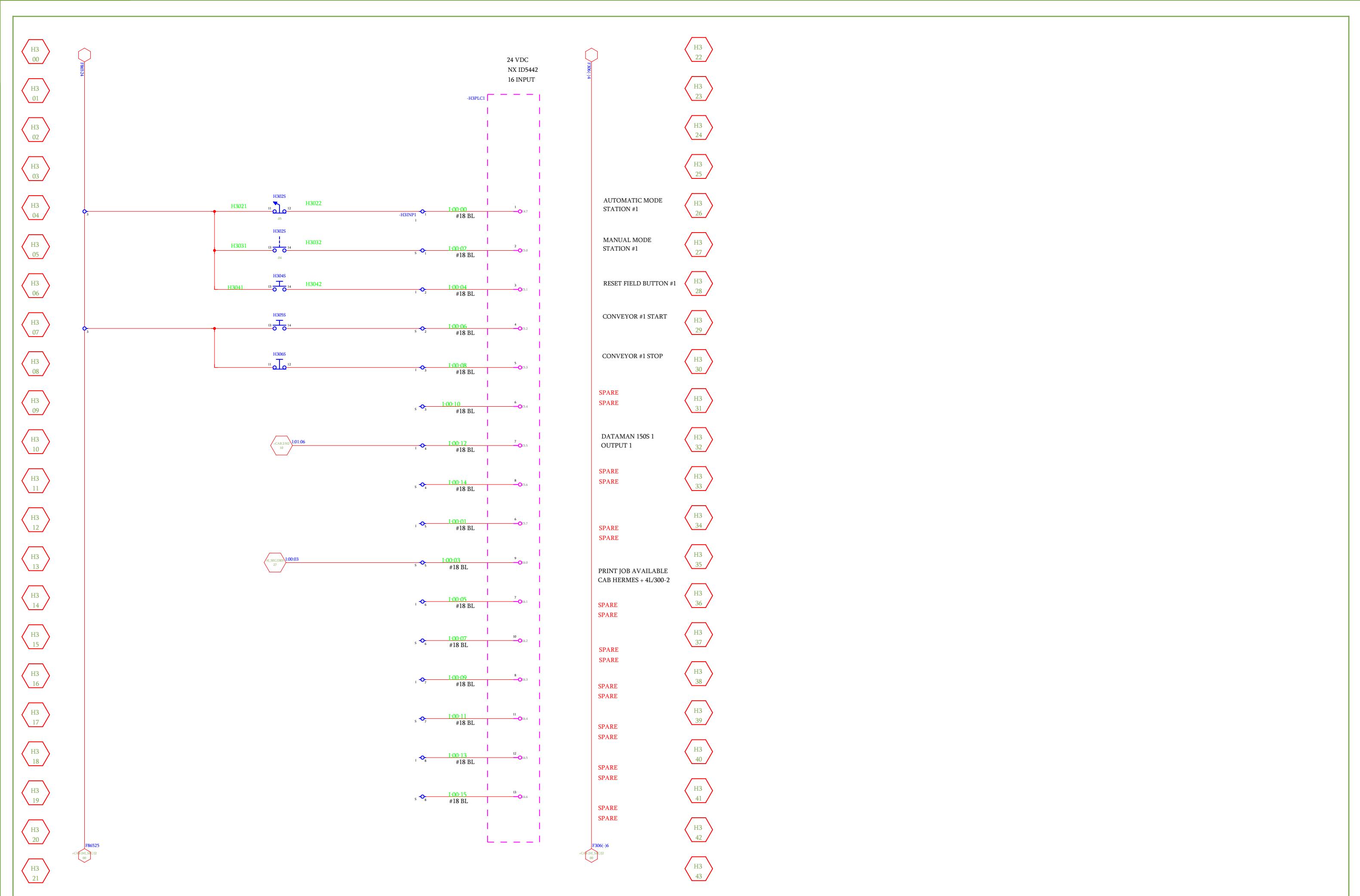
Plantilla de proyecto con estructura de designación según los estándares F301

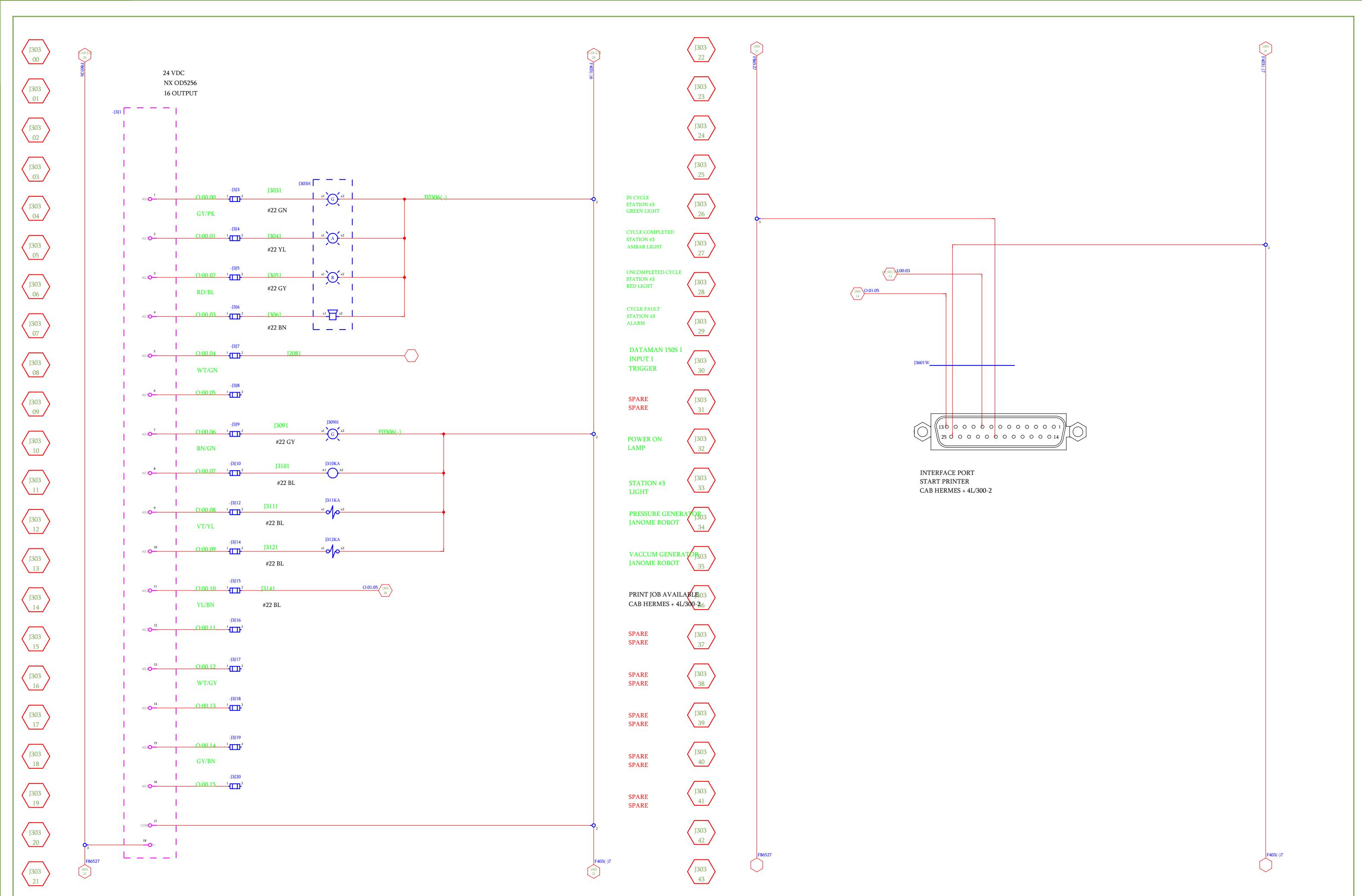


				09/07/2025	 <p>IPTE Experts in factory automation</p> <p>IPTE Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain</p> <p>Phone: +34 977 271 054 Fax: +34 977 079 455 www.ipte.com</p> <p>Project number NFPA_tpl001</p>	<p>Plantilla de proyecto con estructura de</p> <p>POWER SUPPLIED</p>	<p>+CAB 3</p> <p>EPLAN Software & Service &EFS</p> <p>GmbH & Co. KG</p> <p>LEAR CORPORATION</p>	<p>REMOTE 2(STATION 3)</p> <p>ELECTRICAL SCHEMATICS</p> <p>F302</p>
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		Name	Status					



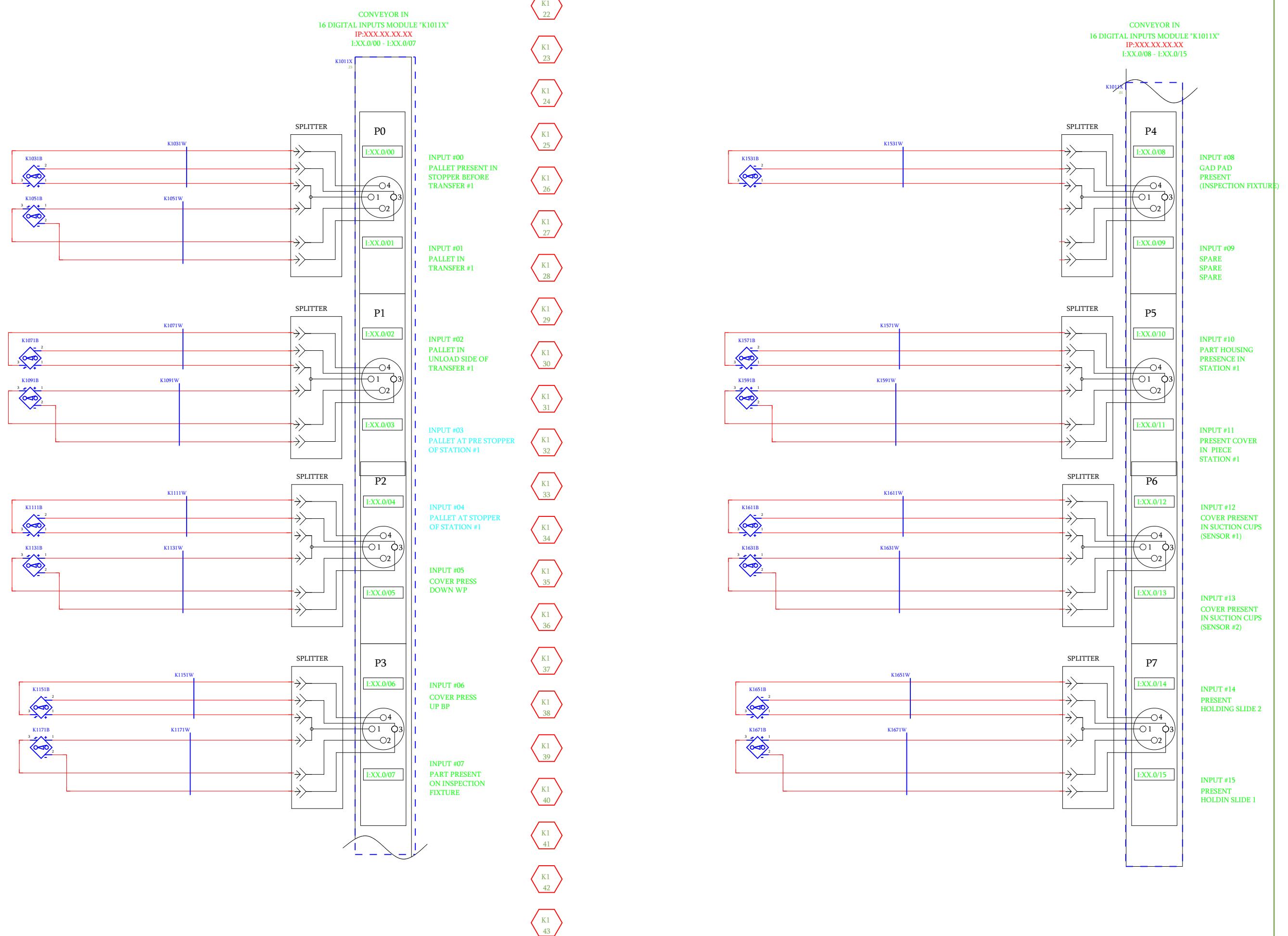
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				LGU1909		Phone : +34 977 271 054 Fax : +34 977 079 455 www.ipte.com			EPLAN Software & Service &EFS	ELECTRICAL SCHEMATICS	
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		Name	Status							Plantilla de proyecto con estructura de designación según los estándares	



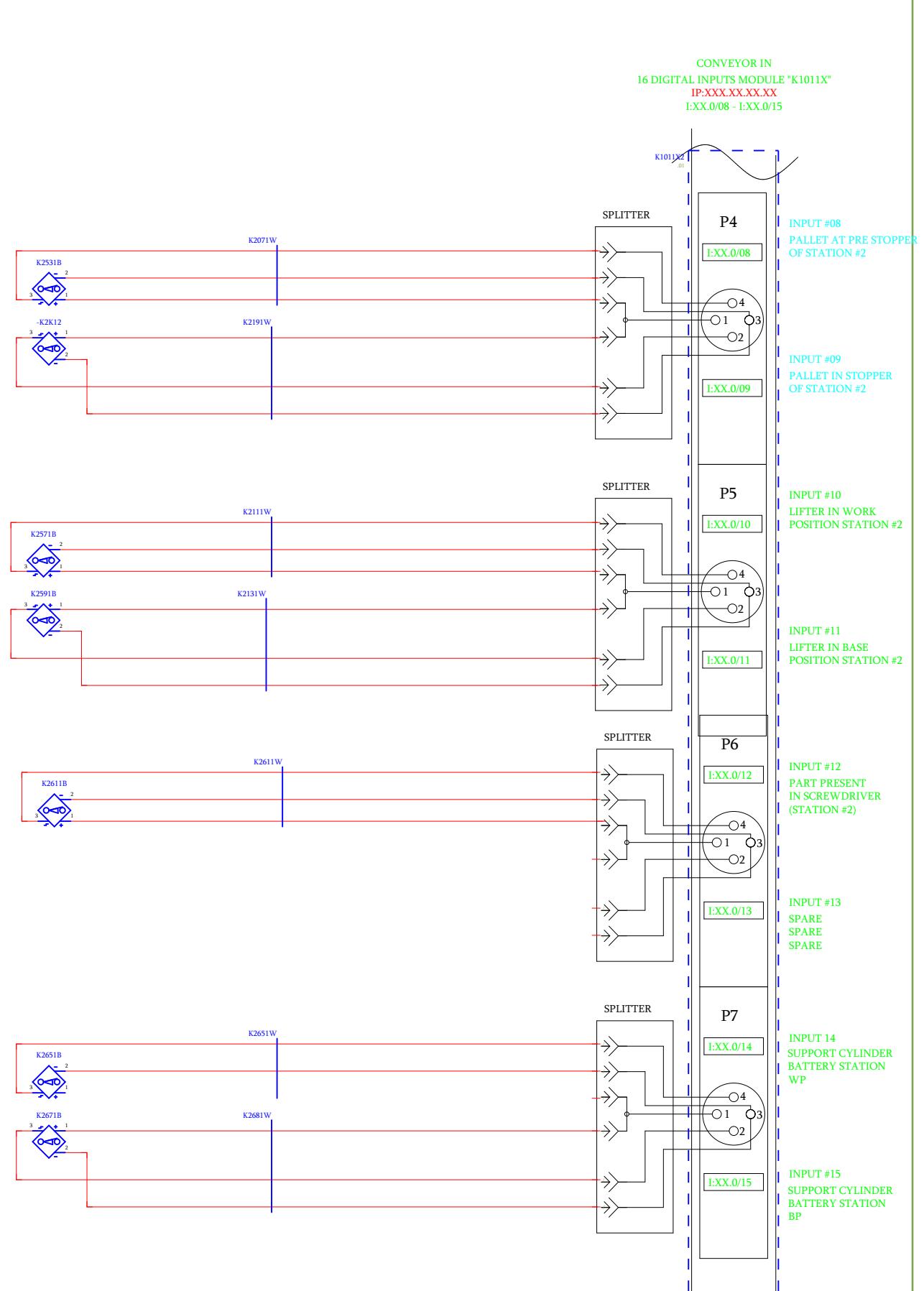
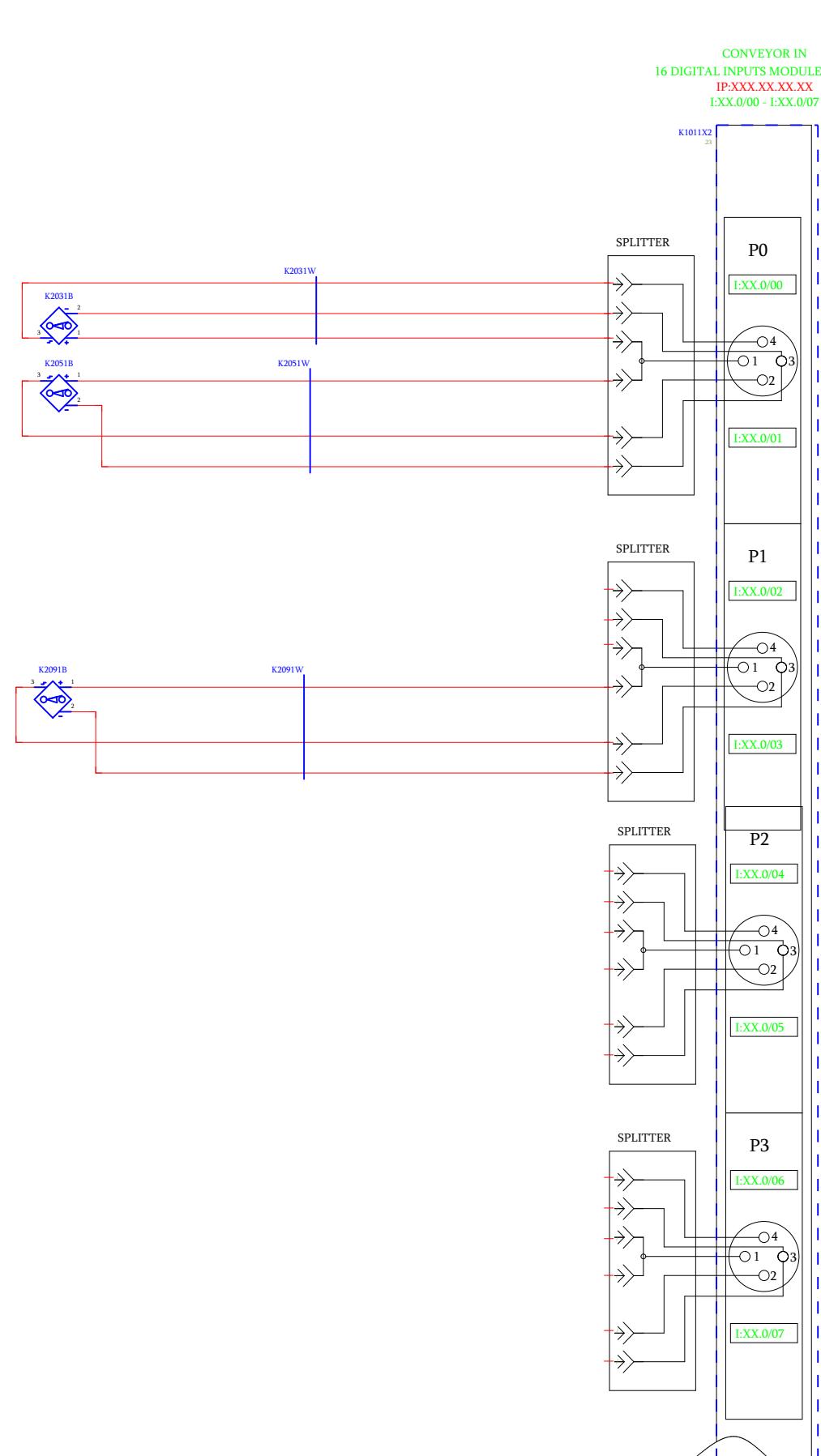


				09/07/2025	 <p>IPTE Experts in factory automation</p> <p>IPTE Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain</p> <p>Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ipte.com</p>	<p>Plantilla de proyecto con estructura de</p> <p>OUTPUT REMOTE ENCLOSURE 2</p> <p>Project number NFPA_tpl001</p>	<p>+CAB 3</p> <p>EPLAN Software & Service &EFS</p> <p>GmbH & Co. KG</p> <p>LEAR CORPORATION</p>	<p>REMOTE 2(STATION 3)</p> <p>ELECTRICAL SCHEMATICS</p> <p>J303</p>
				LGU1909				
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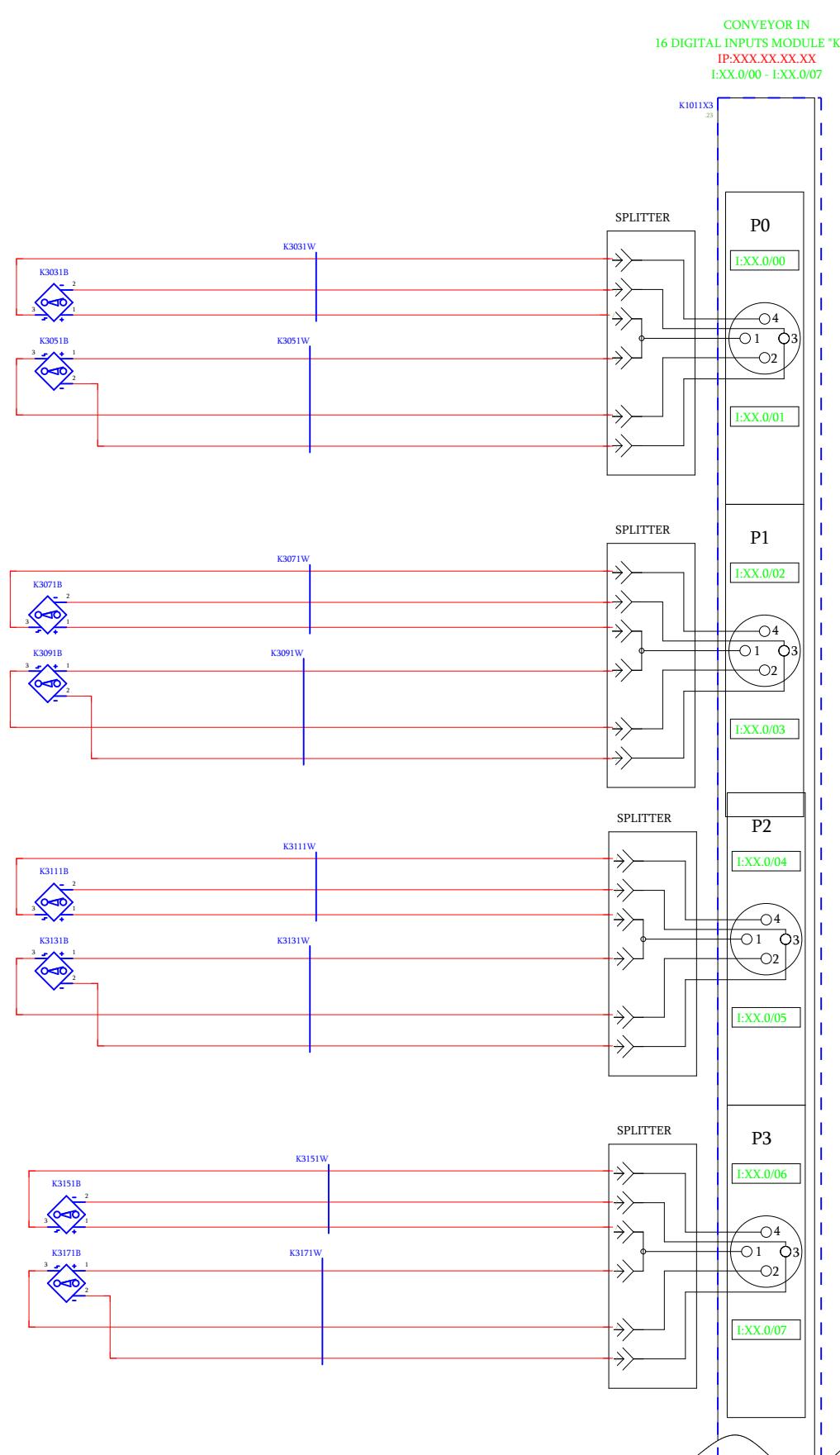


				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	CONVEYOR IN	+CAB 3 EPLAN Software & Service & EFS GmbH & Co. KG	REMOTE 2(STATION 3) ELECTRICAL SCHEMATICS
				LGU1909						
	Name	Status								



				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de STATION #1	+CAB 3 EPLAN Software & Service & EFS GmbH & Co. KG	+CAB 3	REMOTE 2(STATION 3)
				LGU1909						ELECTRICAL SCHEMATICS
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INPUT #00
LIFTER IN WORK POSITION IN BATTERY STATION

INPUT #01
LIFTER IN BASE POSITION IN BATTERY STATION

INPUT #02
HOLDER IN LH BASE POSITION

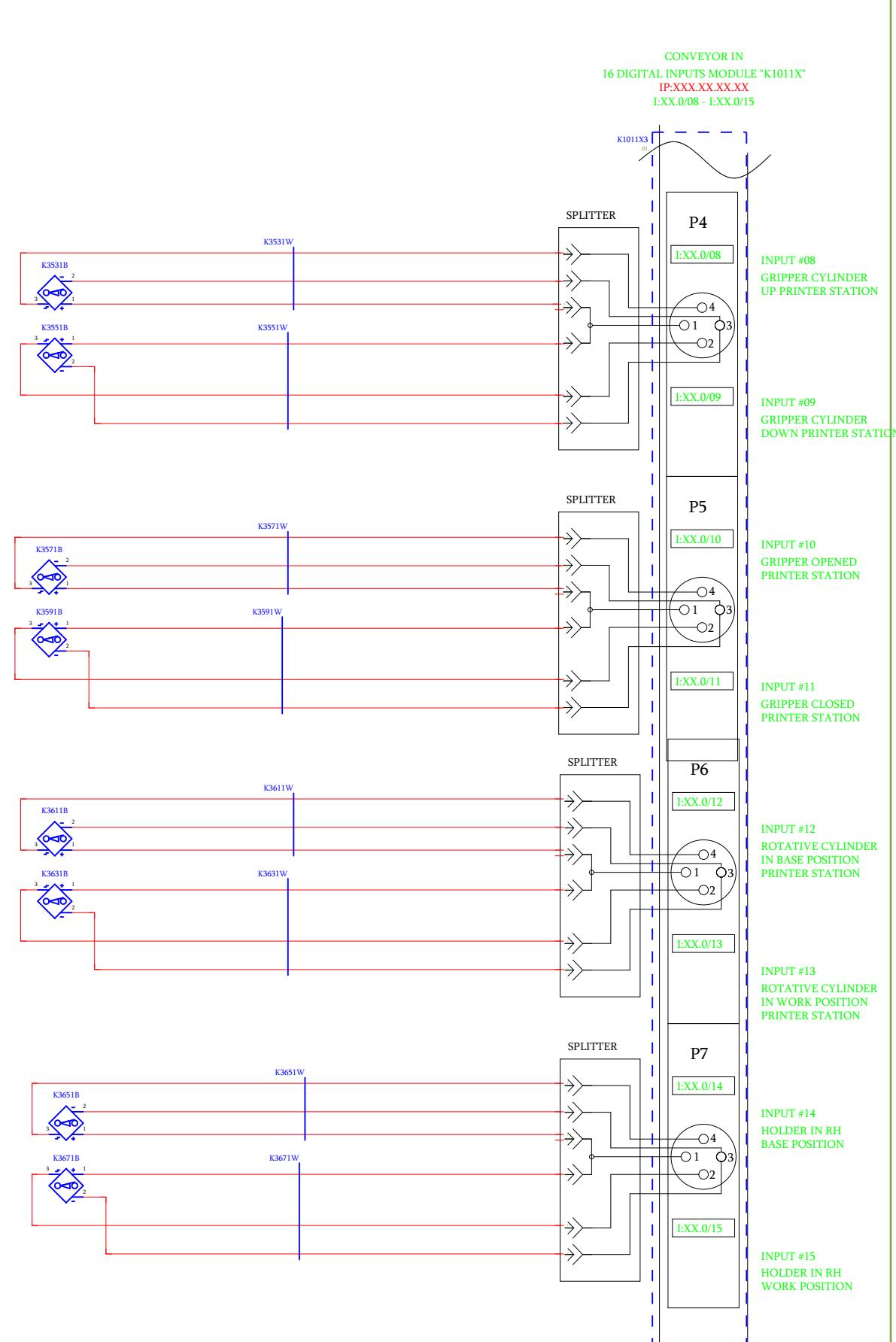
INPUT #03
HOLDER IN LH WORK POSITION

INPUT #04
PART PRESENT BATTERY STATION

INPUT #05
PALLET AT STOPPER OF BATTERY STATION

INPUT #06
PALLET AT PRE STOPPER OF BATTERY STATION

INPUT #07
PRESENT OUT HOLDING SLIDE 2



INPUT #08
GRIPPER CYLINDER UP PRINTER STATION

INPUT #09
GRIPPER CYLINDER DOWN PRINTER STATION

INPUT #10
GRIPPER OPENED PRINTER STATION

INPUT #11
GRIPPER CLOSED PRINTER STATION

INPUT #12
ROTATIVE CYLINDER IN BASE POSITION PRINTER STATION

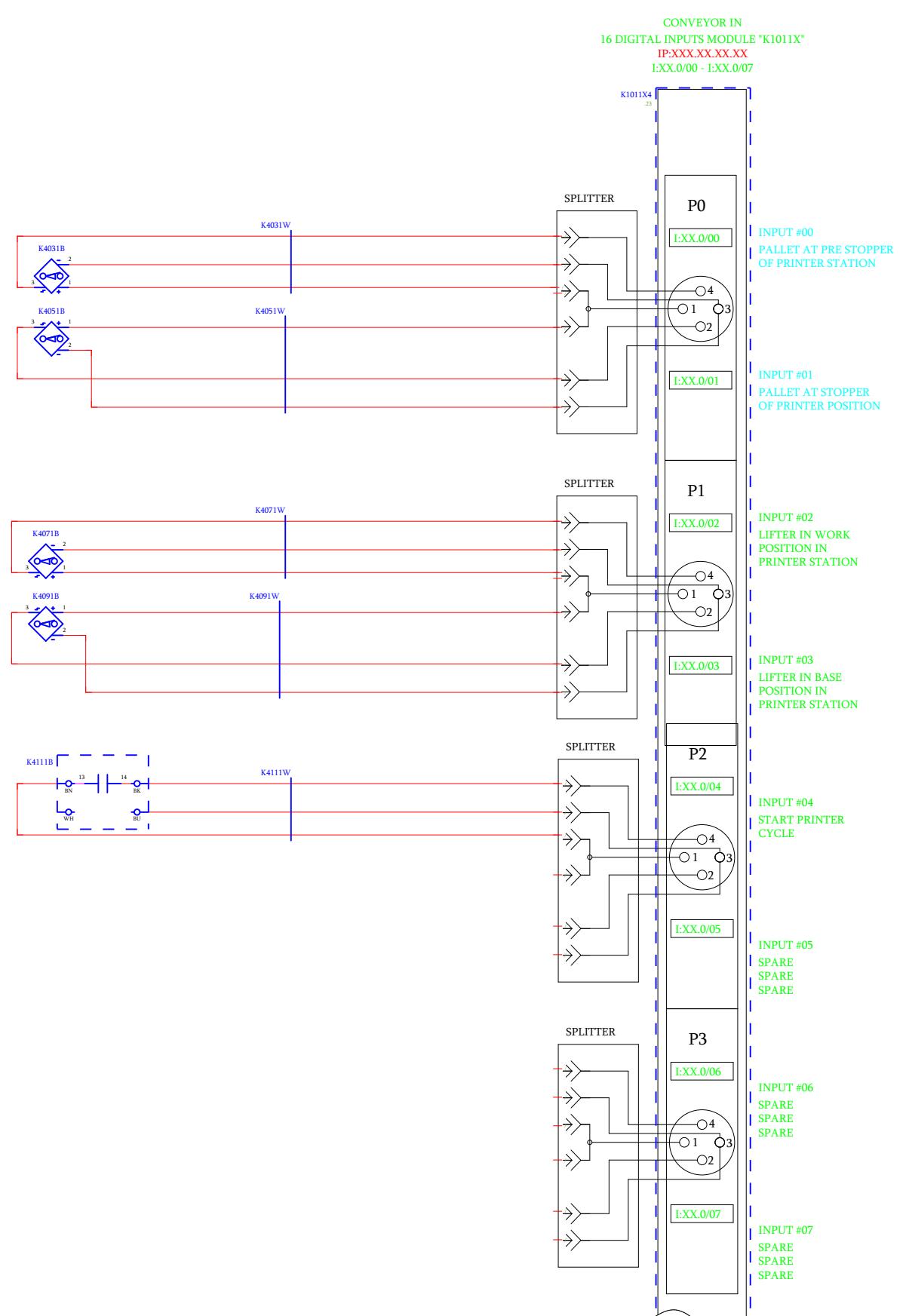
INPUT #13
ROTATIVE CYLINDER IN WORK POSITION PRINTER STATION

INPUT #14
HOLDER IN RH BASE POSITION

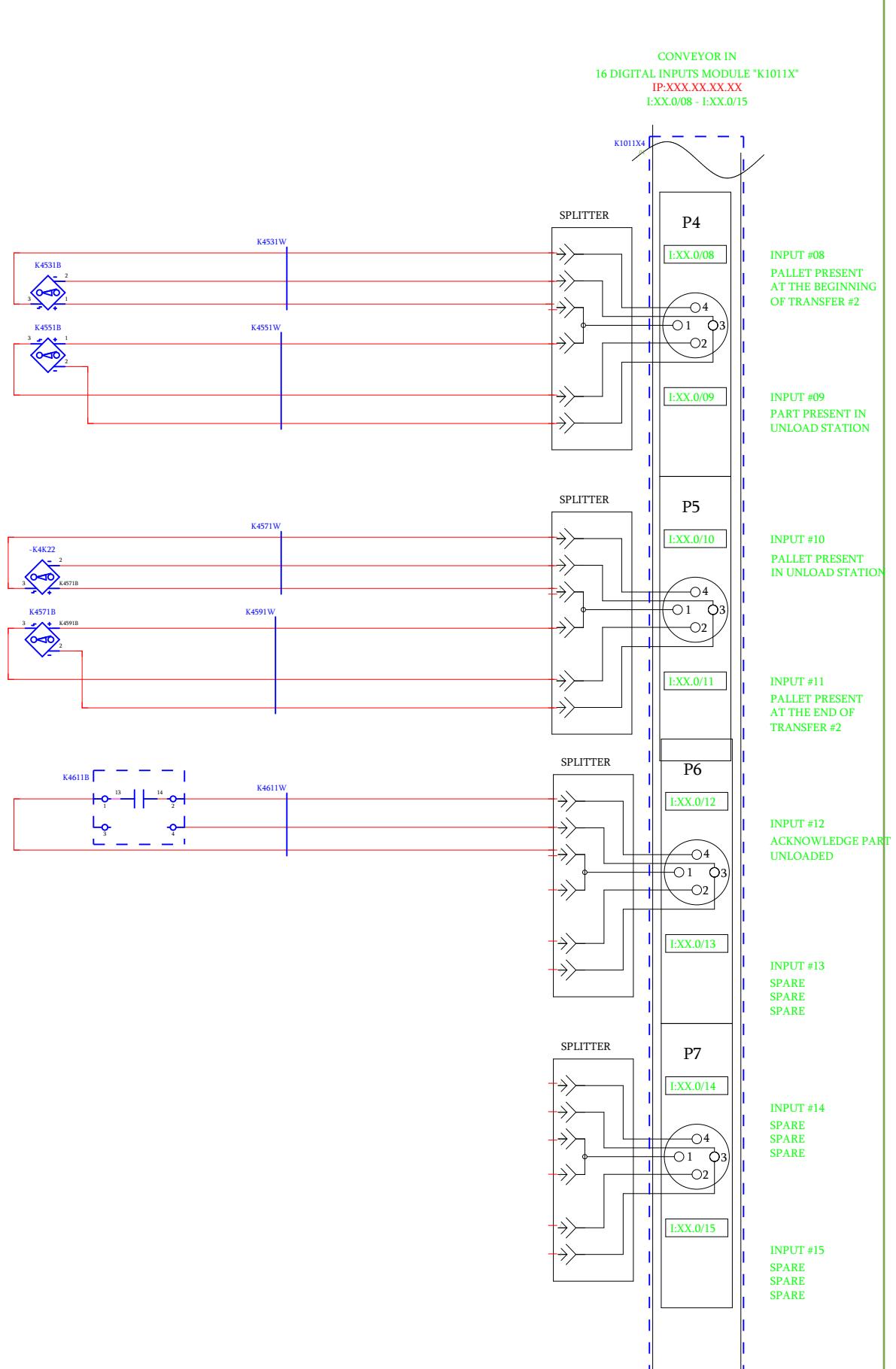
INPUT #15
HOLDER IN RH WORK POSITION

				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	STATION #2	+CAB 3 EPLAN Software & Service & EFS GmbH & Co. KG	+CAB 3	REMOTE 2(STATION 3)
				LGU1909						ELECTRICAL SCHEMATICS	
	Name	Status								Plantilla de proyecto con estructura de designación según los estándares K3	

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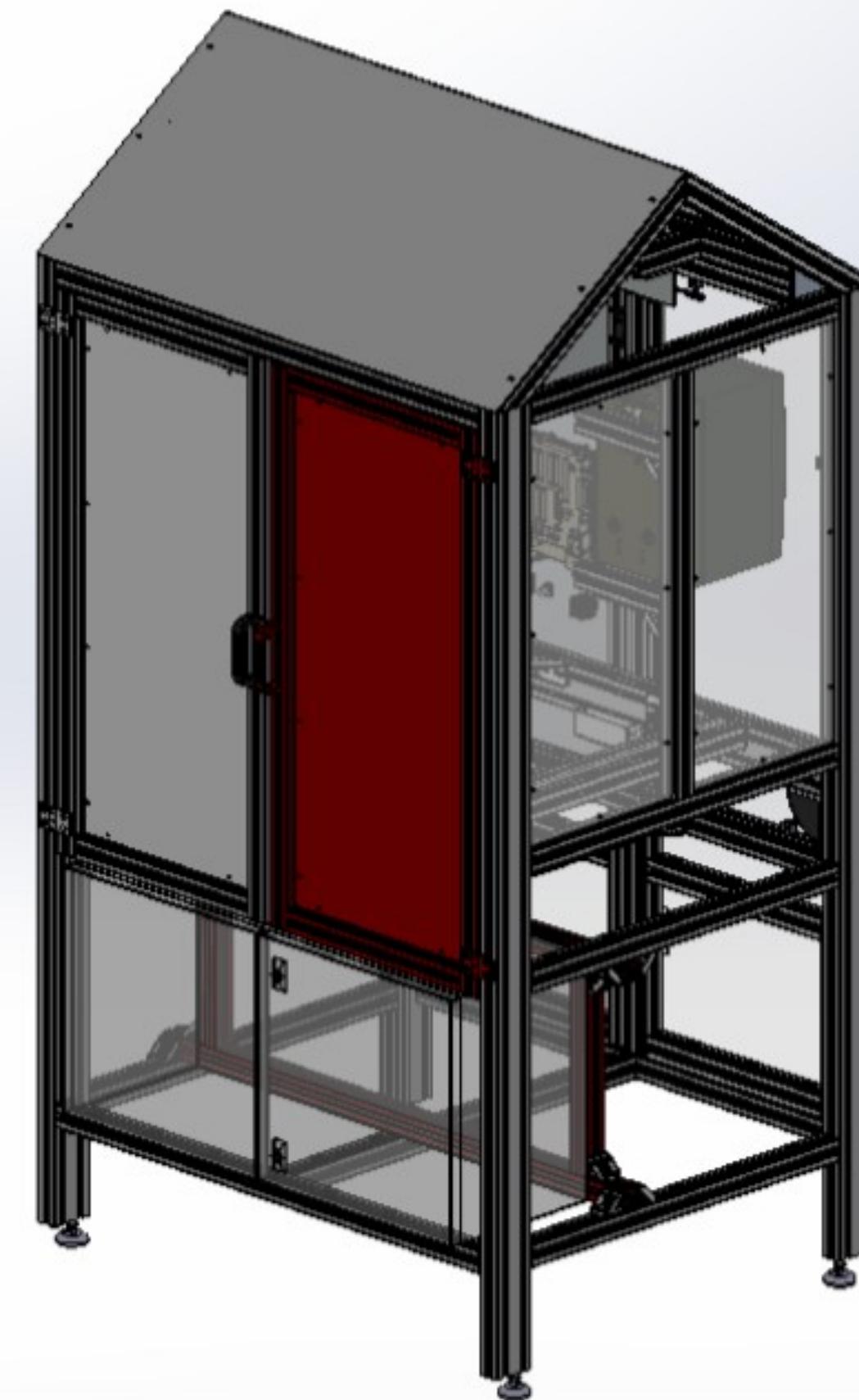


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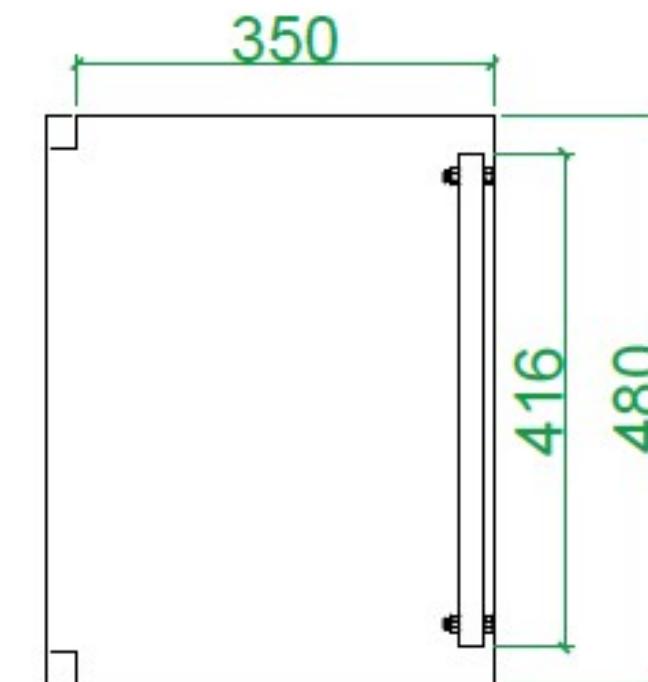
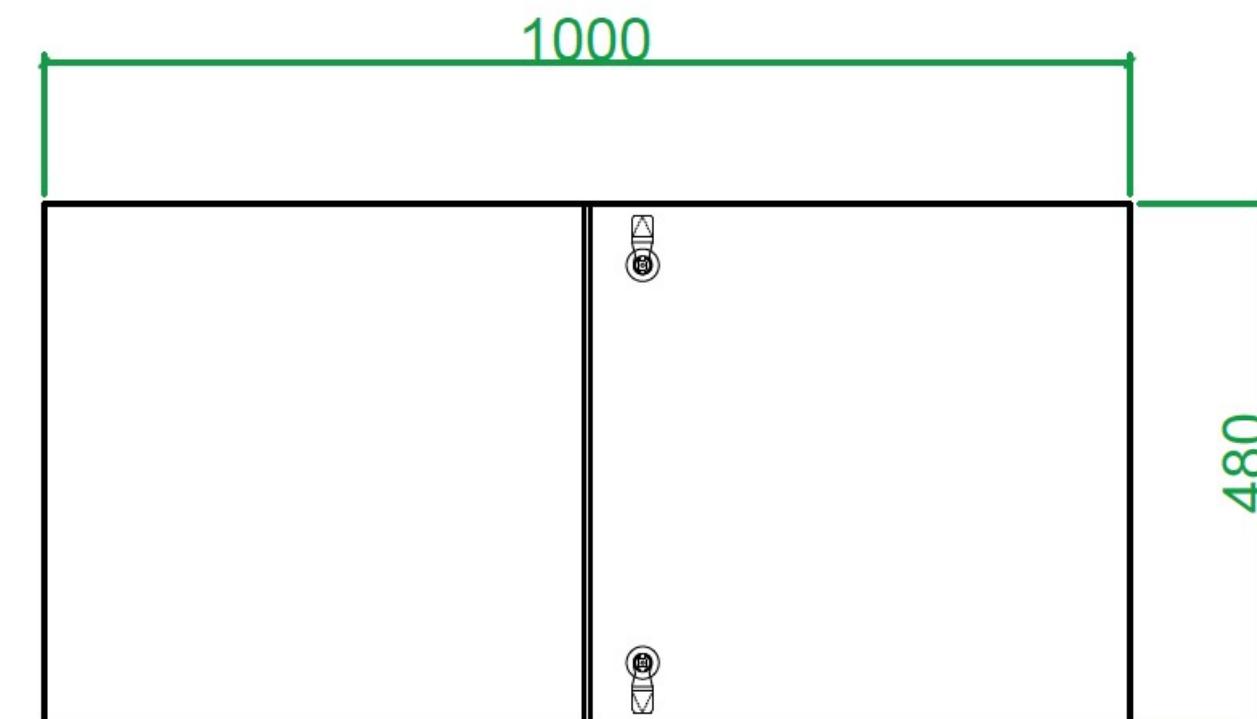
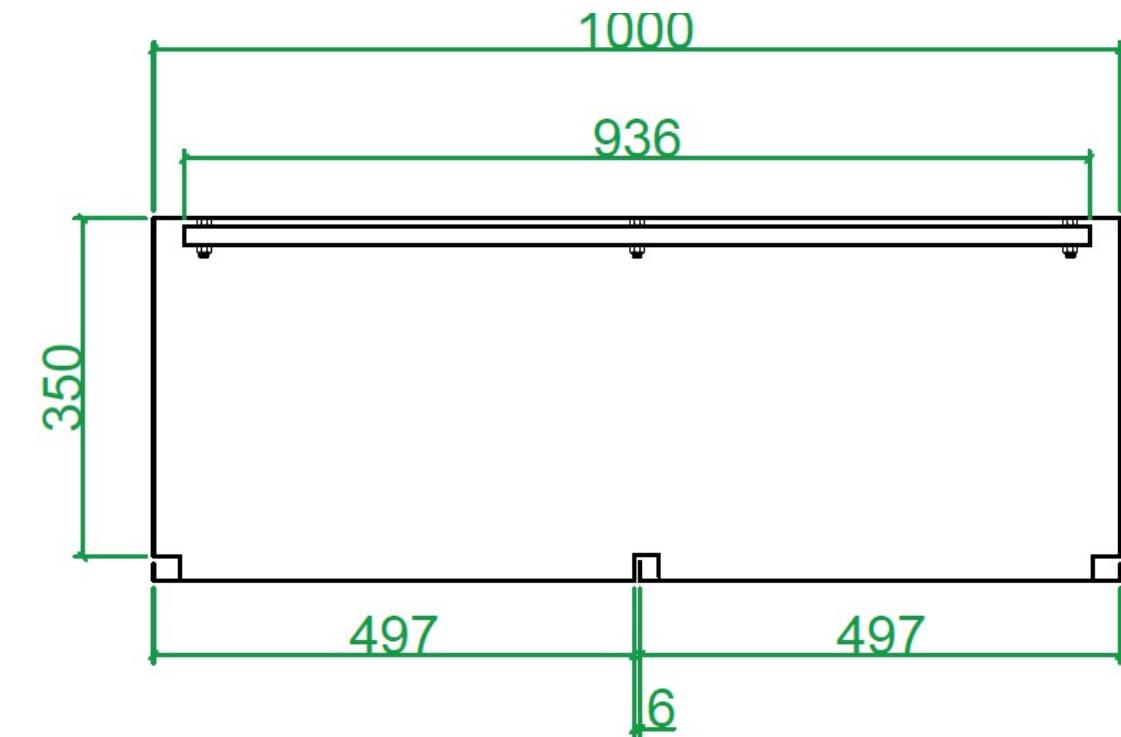


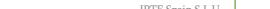
				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	STATION #3	+CAB 3	REMOTE 2(STATION 3) ELECTRICAL SCHEMATICS
				LGU1909					EPLAN Software & Service & EFS GmbH & Co. KG	
	Name	Status							LEAR CORPORATION	

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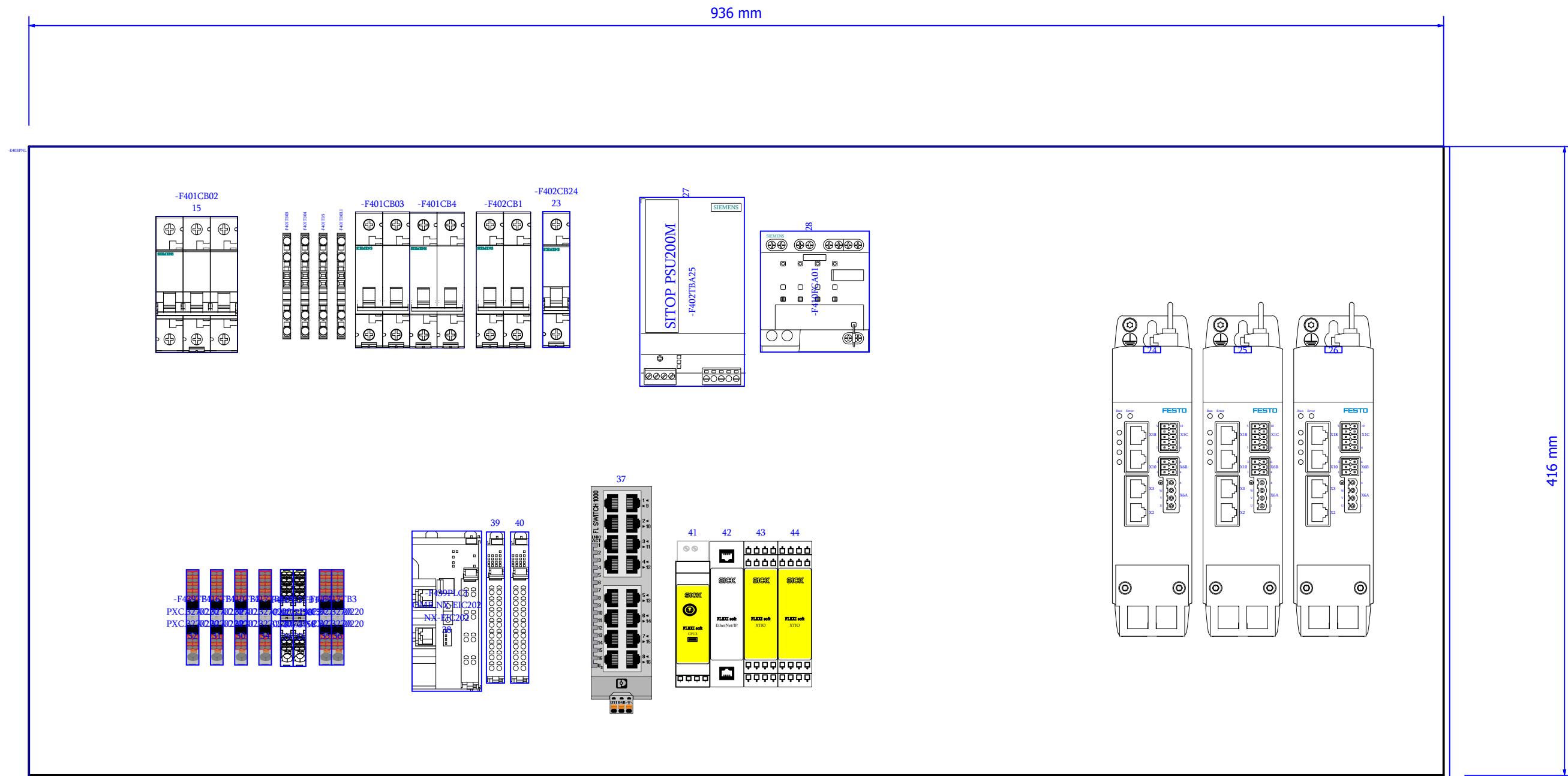


				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	REMOTE 3	+CAB 4	REMOTE 3(STATION 2)
				LGU1909					EPLAN Software & Service & HTL GmbH & Co. KG	CABINET & PLATE LAYOUT
		Name	Status						LEAR CORPORATION	Plantilla de proyecto con estructura de designación según los estándares

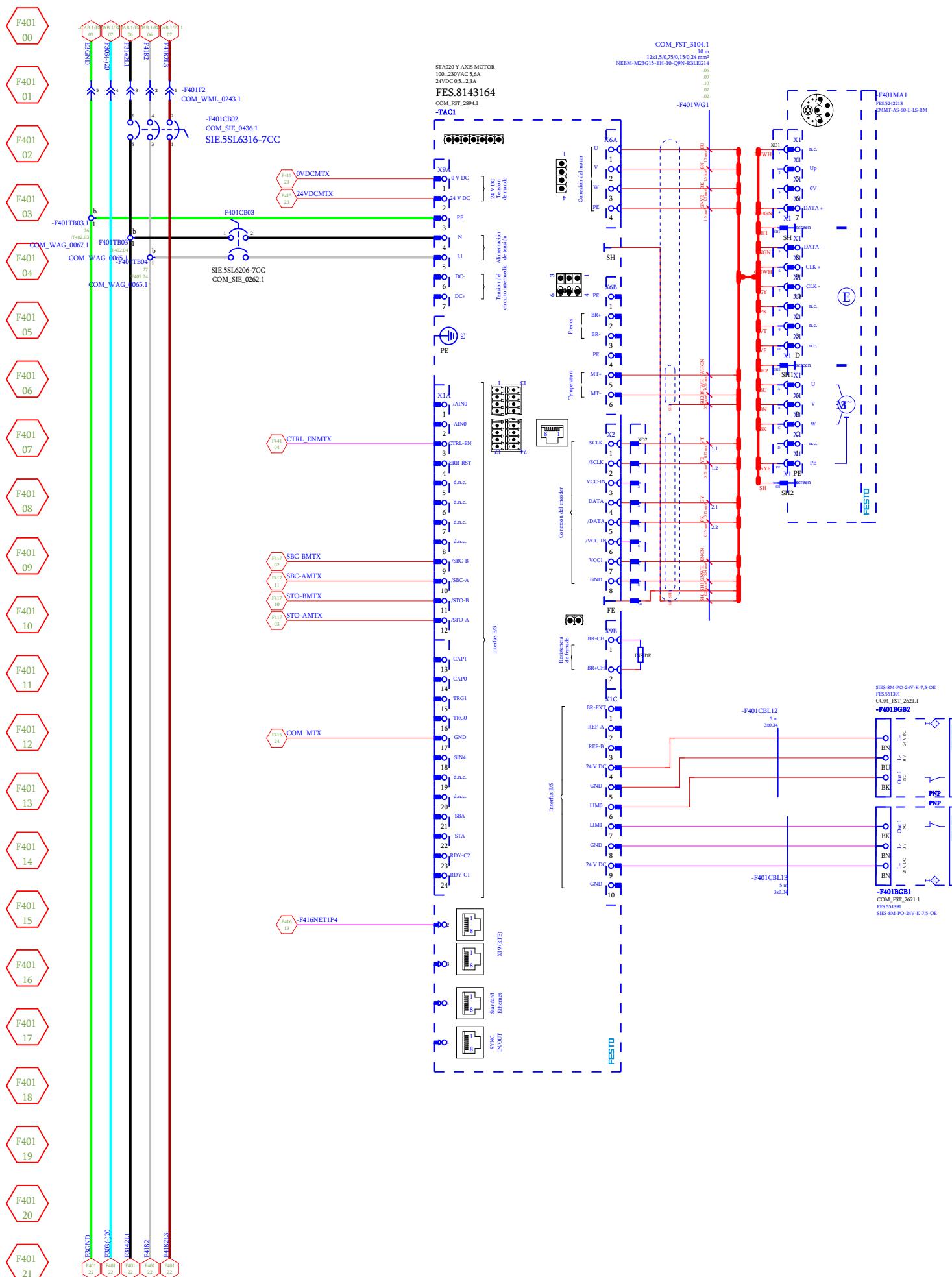


			15/07/2025	 <p>IPT-E Experts in factory automation</p> <p>IPT-E Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain</p> <p>Phone : +34 977 271 054 Fax : +34 977 079 455 www.ipte.com</p>	<p>Plantilla de proyecto con estructura de</p> <p>REMOTE 3</p>	<p>+CAB 4</p> <p>EPLAN Software & Service</p> <p>GmbH & Co. KG</p> <p></p> <p>LEAR</p> <p>corporation</p>	<p>REMOTE 3(STATION 2)</p> <p>CABINET & PLATE LAYOUT</p> <p>E402</p>
			LGU1909				
	Name	Status			Project number: NFPA_tp1001	Plantilla de proyecto con estructura de designación según los estandares	40%

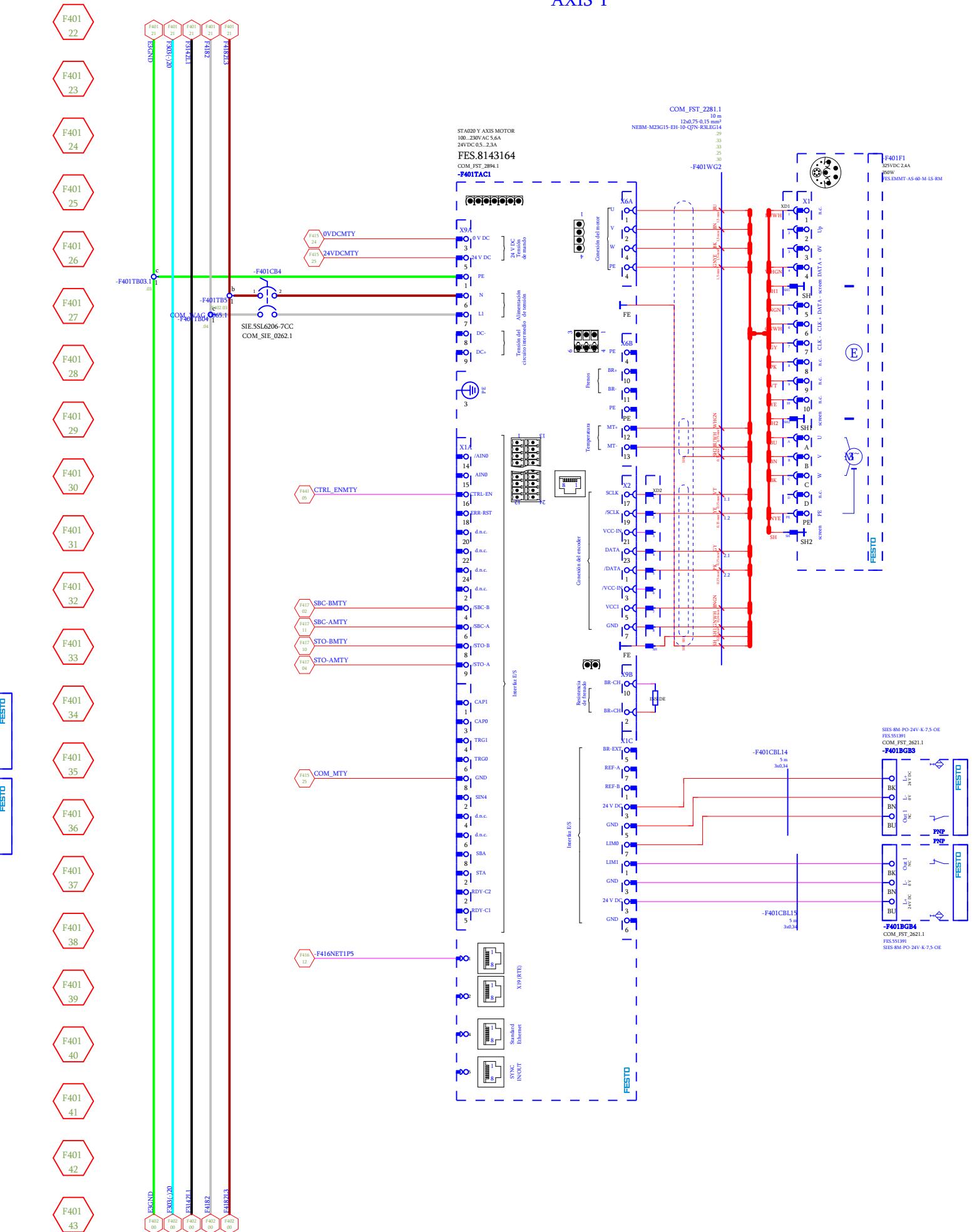
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AXIS X

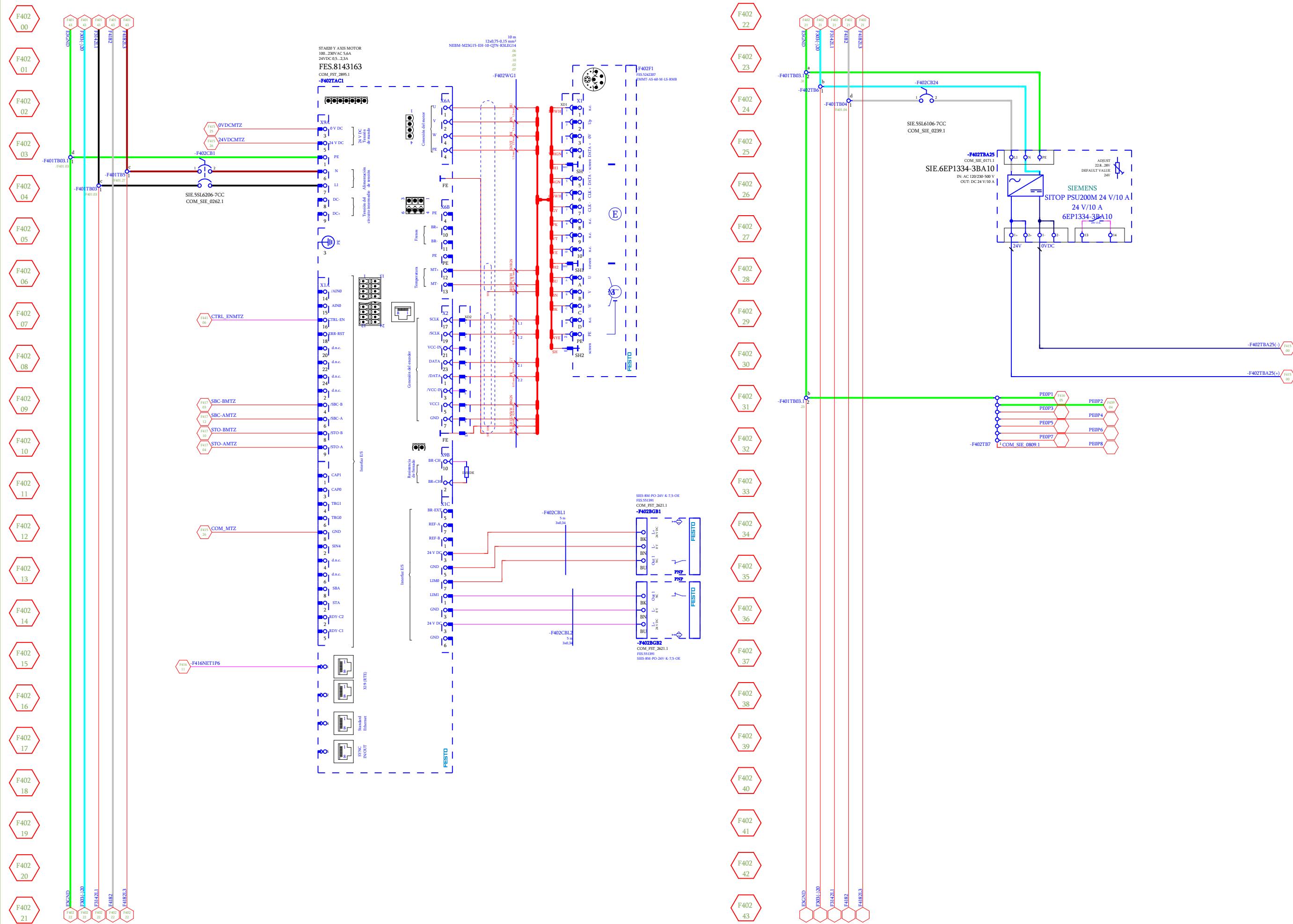


AXIS Y

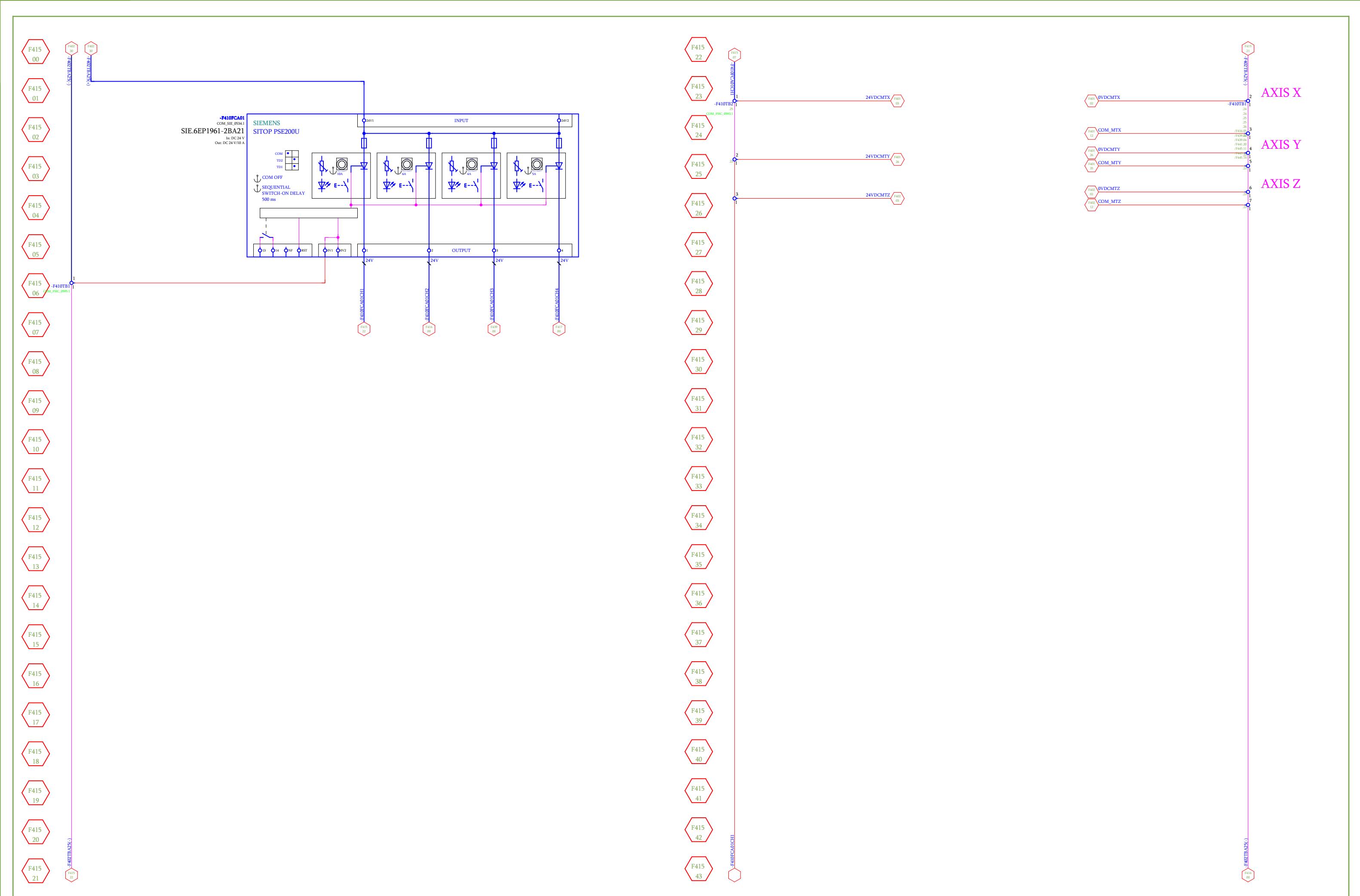


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AXIS Z



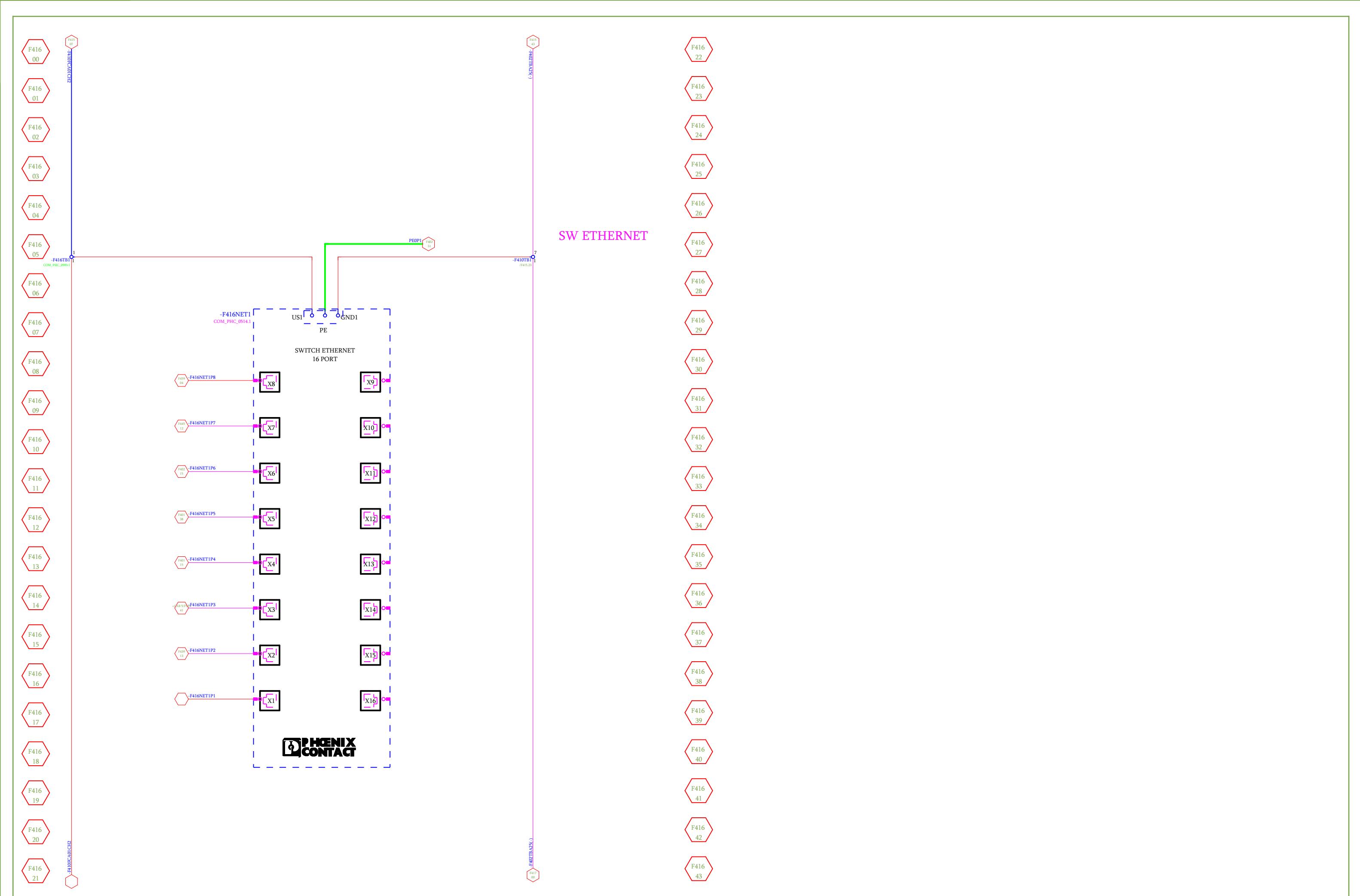
				15/07/2025	IPTE - Experts in factory automation C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de POWER SUPPLIED	+CAB 4	REMOTE 3(STATION 2)
				LGU1909			EPLAN Software & Service & EFS	ELECTRICAL SCHEMATICS
Name	Status						Gmbh & Co. Ltd.	
							LEAR CORPORATION	Plantilla de proyecto con estructura de designación según los estándares IEC60068-2-27



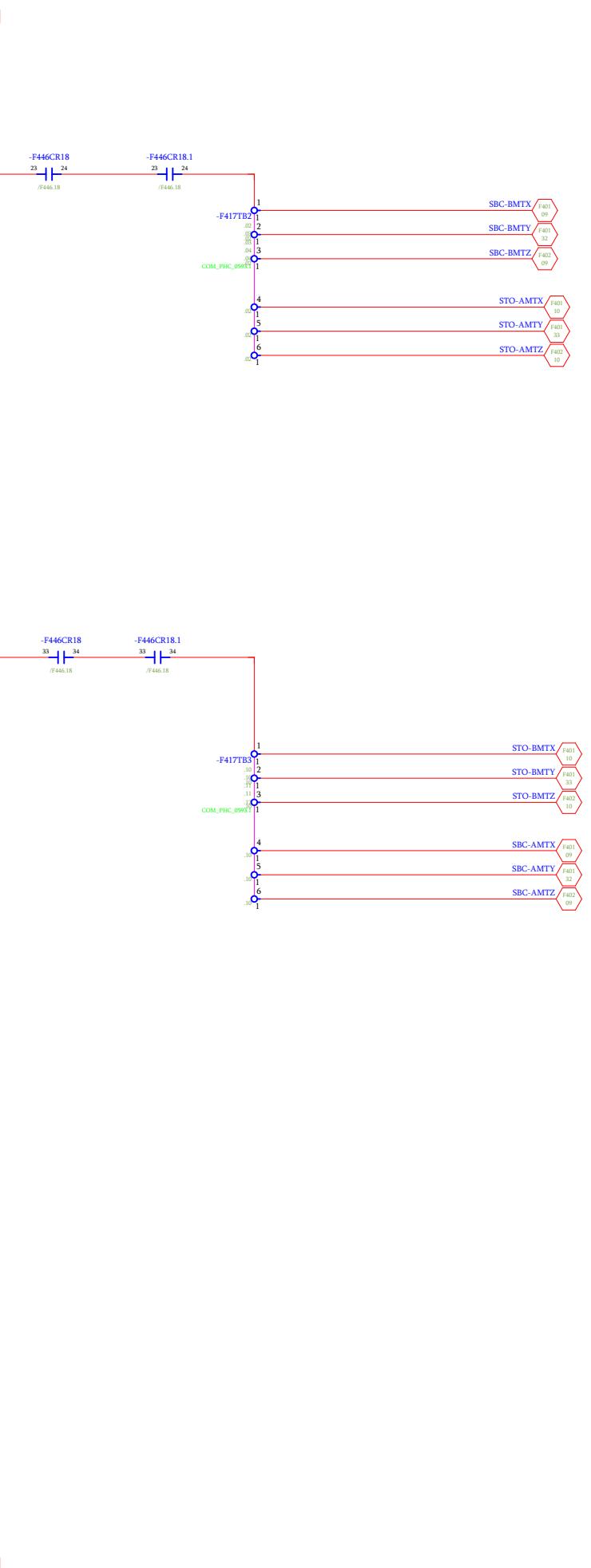
				15/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	DC POW SUP FUSE	+CAB 4	+CAB 4	REMOTE 3(STATION 2)
				LGU1909						EPLAN Software & Service & EFS	ELECTRICAL SCHEMATICS
				Name Status						GmbH & Co. KG	F415



Plantilla de proyecto con estructura de designación según los estándares



				16/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	DC POW SUP CH2	+CAB 4	REMOTE 3(STATION 2)
				LGU1909					EPLAN Software & Service & EFS GmbH & Co. KG	ELECTRICAL SCHEMATICS
		Name	Status						LEAR CORPORATION	Plantilla de proyecto con estructura de designación según los estándares IEC60068-2-27



IPTE
Experts
in factory
automation

IPTE Spain S.L.U
C/Ignasi Iglesias 24, Pol.Ind Agro Reus
43206 Reus
Spain
Phone: +34 977 271 054
Fax: +34 977 079 455
www.ipte.com

Plantilla de proyecto con estructura de
Project number NFPA_tpl001

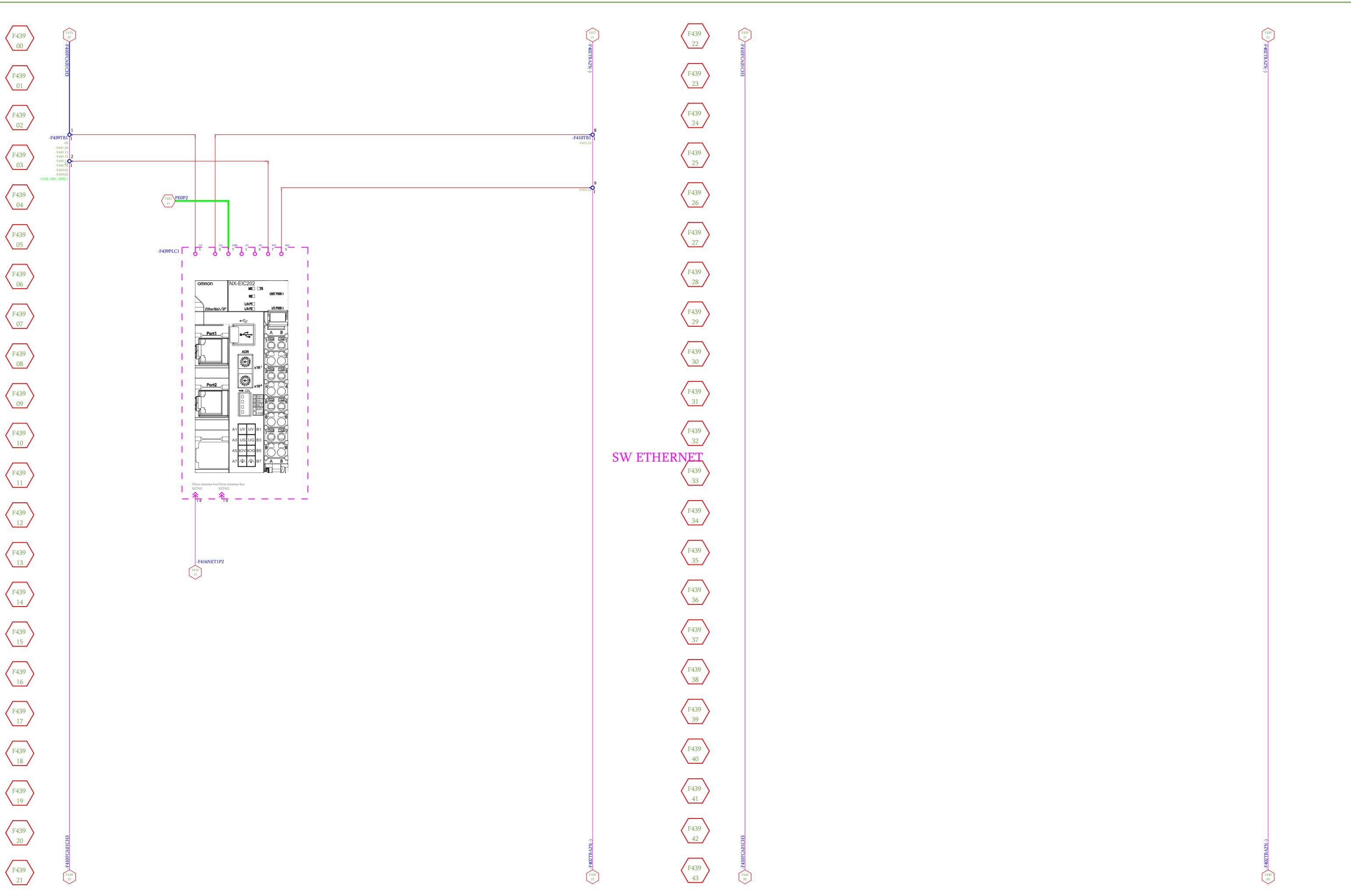
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+CAB 4
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GmbH & Co. KG



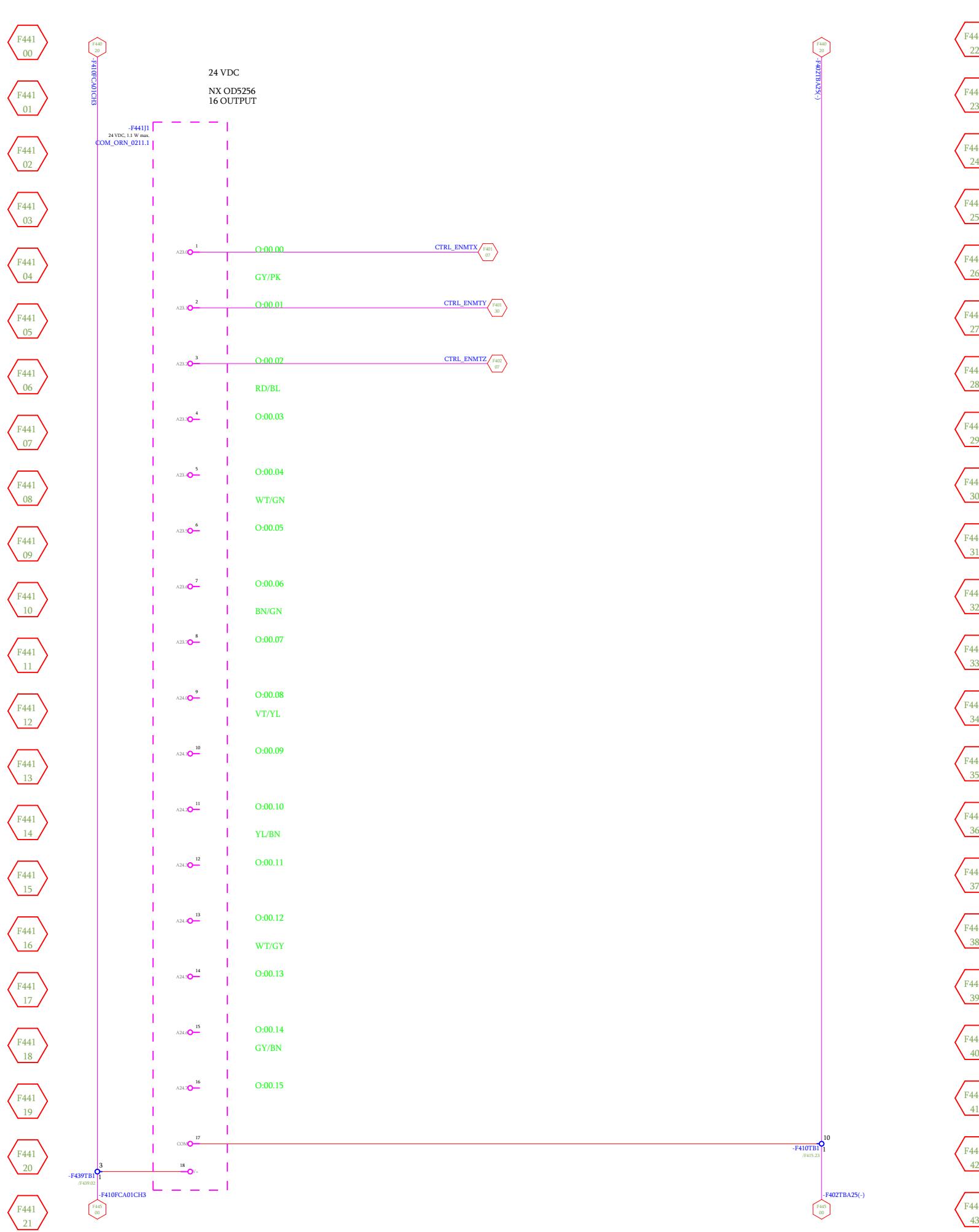
REMOTE 3(STATION 2)
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Plantilla de proyecto con estructura de designación según los estándares
F417

				15/07/2025
				LGU1909
	Name	Status		

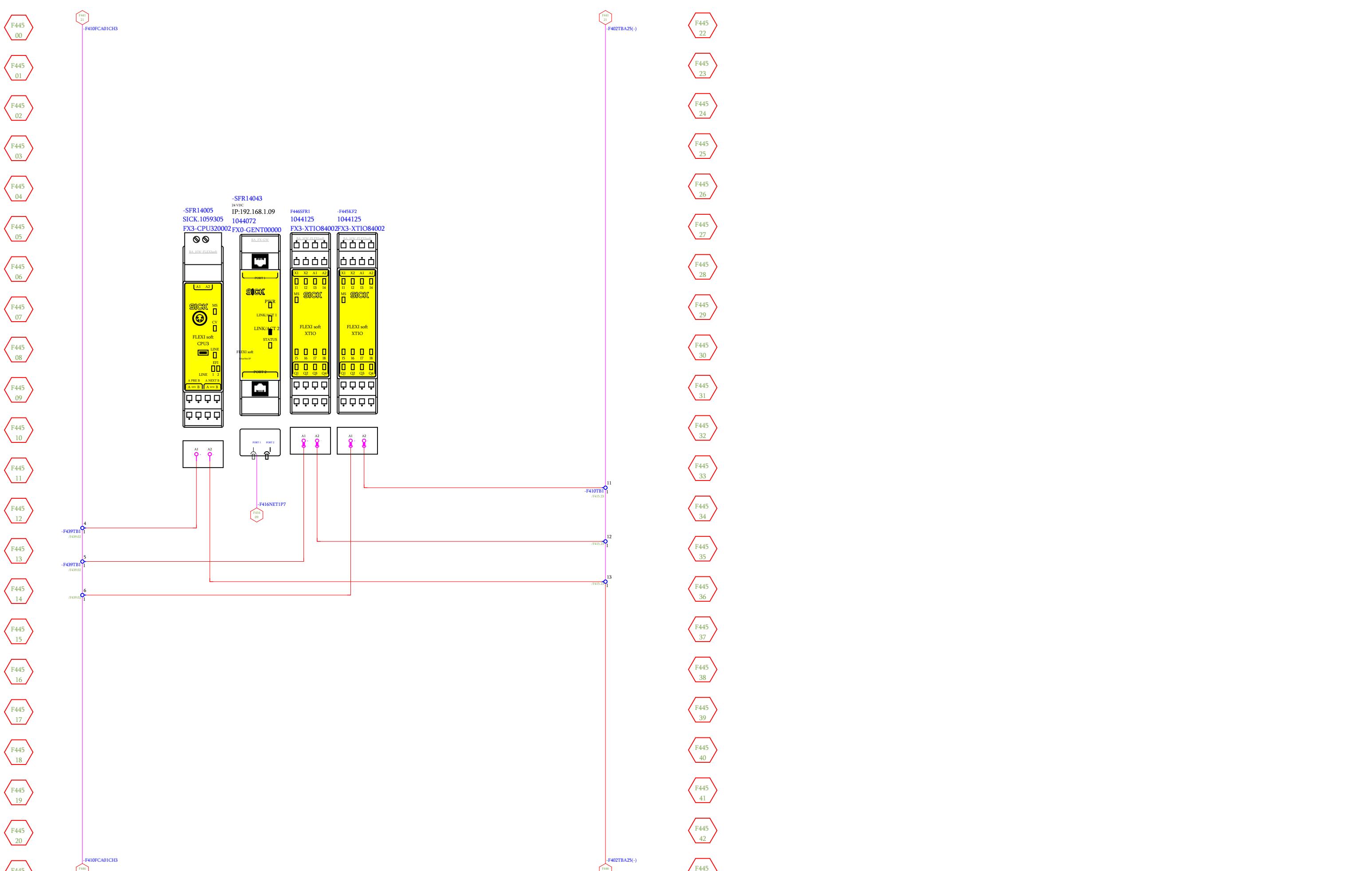


				15/07/2025	 <p>IPT-E Experts in factory automation</p> <p>IPTE Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain</p> <p>Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ipte.com</p>	<p>Plantilla de proyecto con estructura de</p> <p>REMOTE</p> <p>Project number NFPA_tpl001</p>	<p>+CAB 4</p> <p>EPLAN Software & Service &EFS</p> <p>GmbH & Co. KG</p> <p>LEAR CORPORATION</p>	<p>REMOTE 3(STATION 2)</p> <p>ELECTRICAL SCHEMATICS</p> <p>F439</p> <p>Plantilla de proyecto con estructura de designación según los estándares</p>
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		Name	Status					

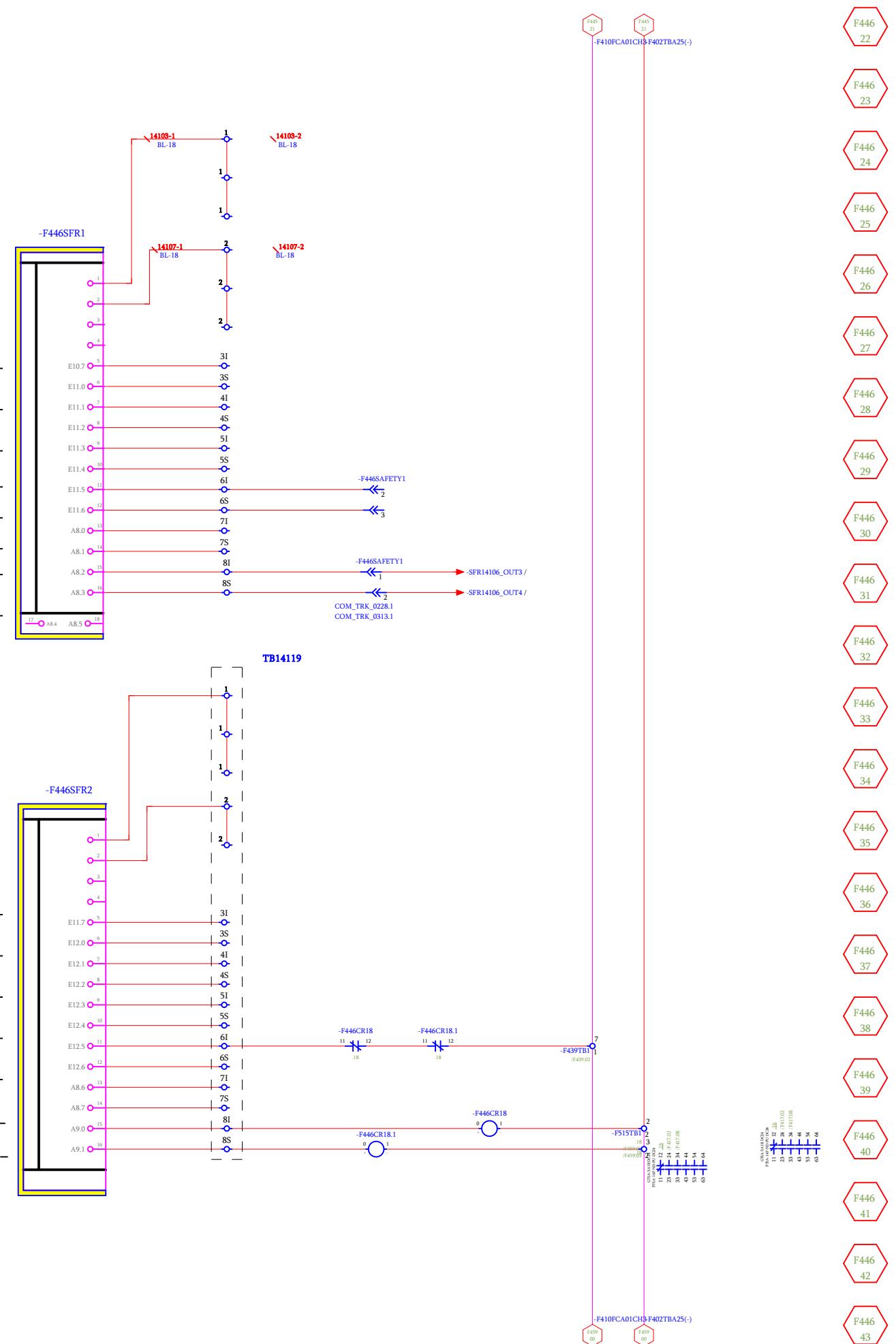




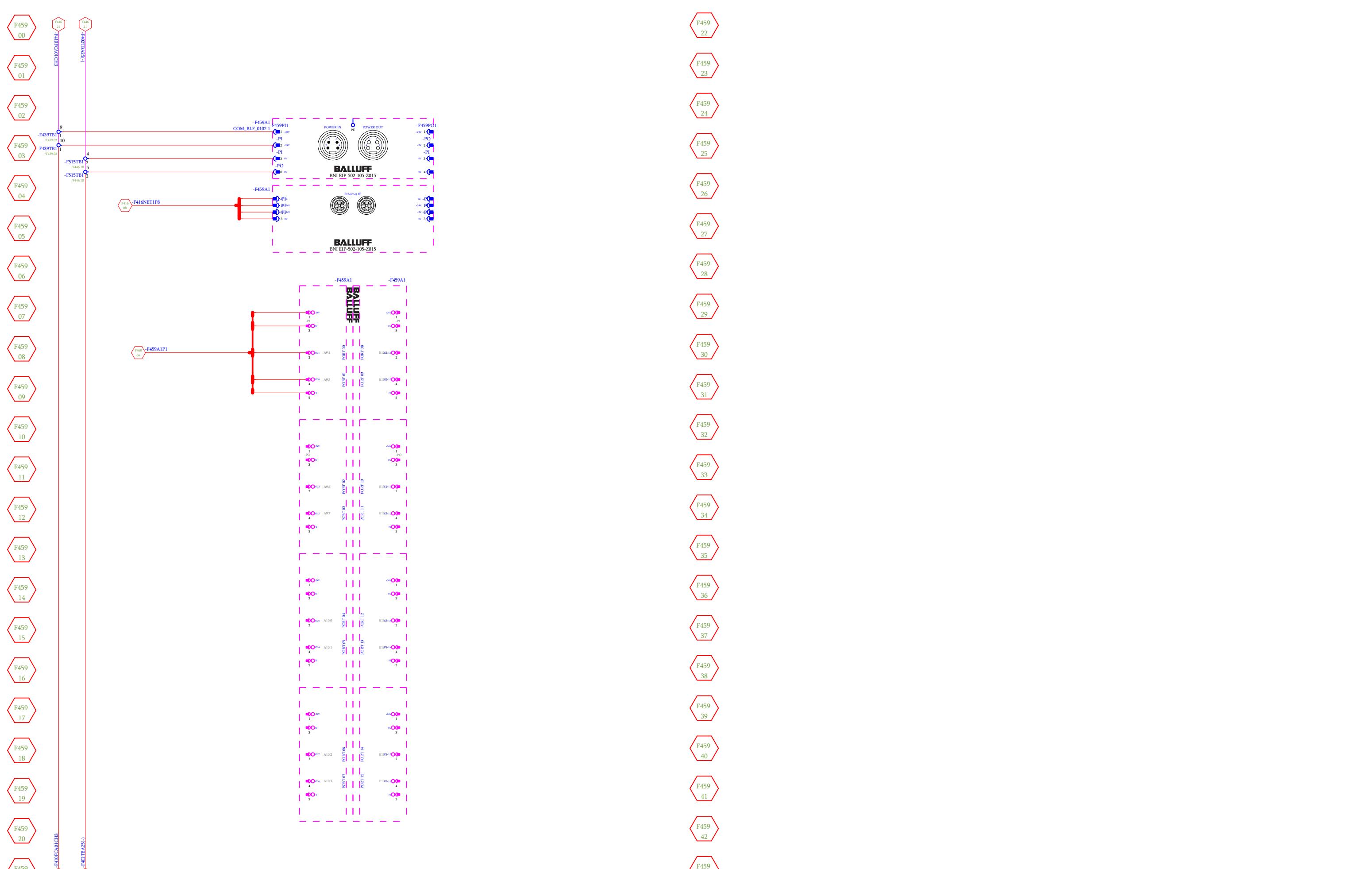
				15/07/2025	 <p>IPTE Experts in factory automation</p> <p>IPTE Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain</p> <p>Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ipte.com</p> <p>Project number NFPA_tpl001</p>	<p>Plantilla de proyecto con estructura de</p> <p>OUTPUT REMOTE ENCLOSURE 4</p>	<p>+CAB 4</p> <p>EPLAN Software & Service &EFS</p> <p>GmbH & Co. KG</p> <p></p> <p>LEAR CORPORATION</p>	<p>REMOTE 3(STATION 2)</p> <p>ELECTRICAL SCHEMATICS</p> <p>F441</p>
				LGU1909				
		Name	Status					



				15/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de	PLC SAFETY	+CAB 4	REMOTE 3(STATION 2)	
				LGU1909						EPLAN Software & Service	& EFS
		Name	Status							GmbH & Co. 	ELECTRICAL SCHEMATICS

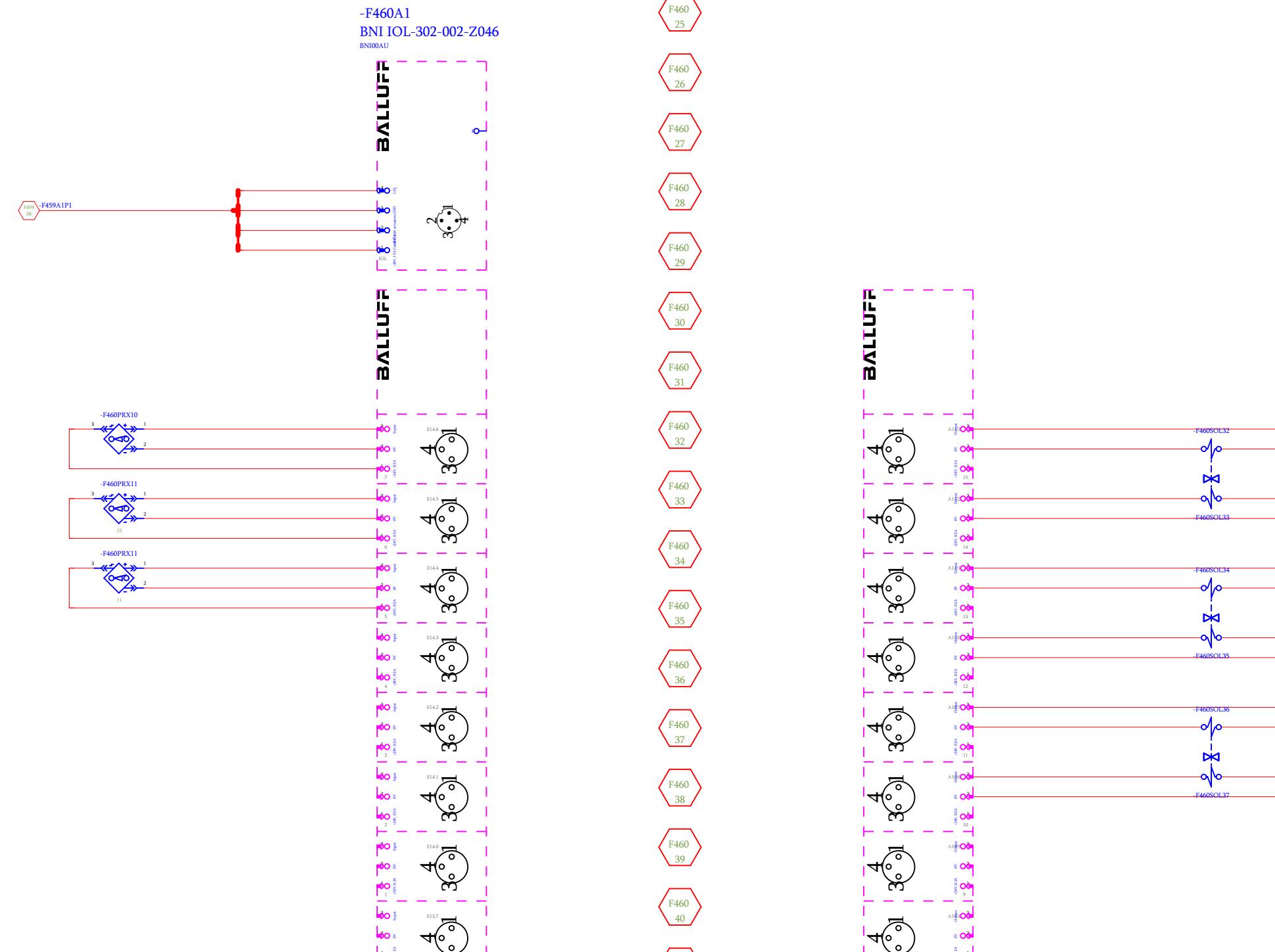


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				LGU1909				
		Name	Status					



				15/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	MASTER IOLINK	+REMOTE 3(STATION 2)
				LGU1909					+CAB 4 EPLAN Software & Service & EFS GmbH & Co. KG
		Name	Status						ELECTRICAL SCHEMATICS

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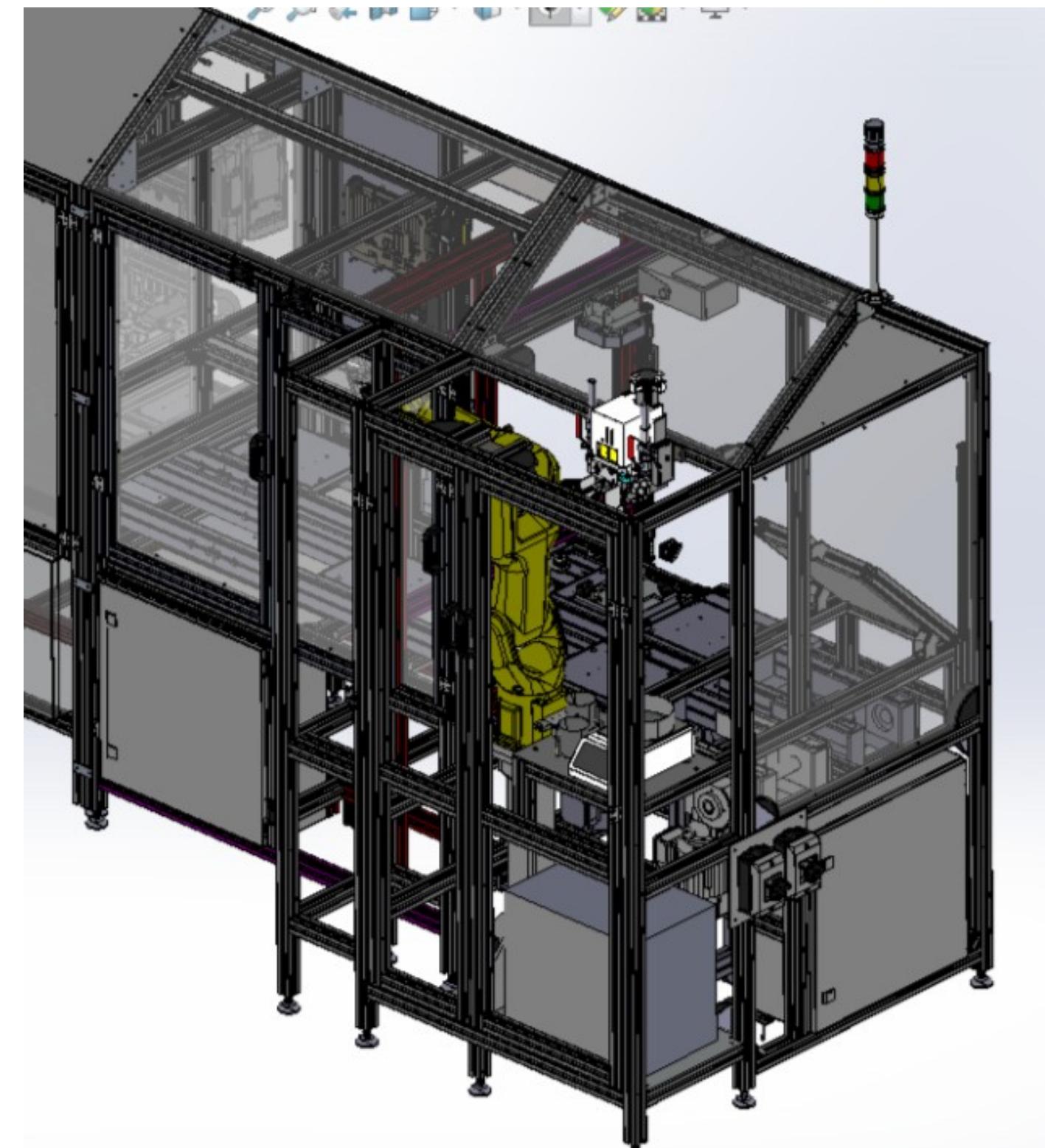
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				LGU1909					+CAB 4 EPLAN Software & Service & EFS GmbH & Co. KG
	Name	Status							ELECTRICAL SCHEMATICS



Plantilla de proyecto con estructura de designación según los estándares

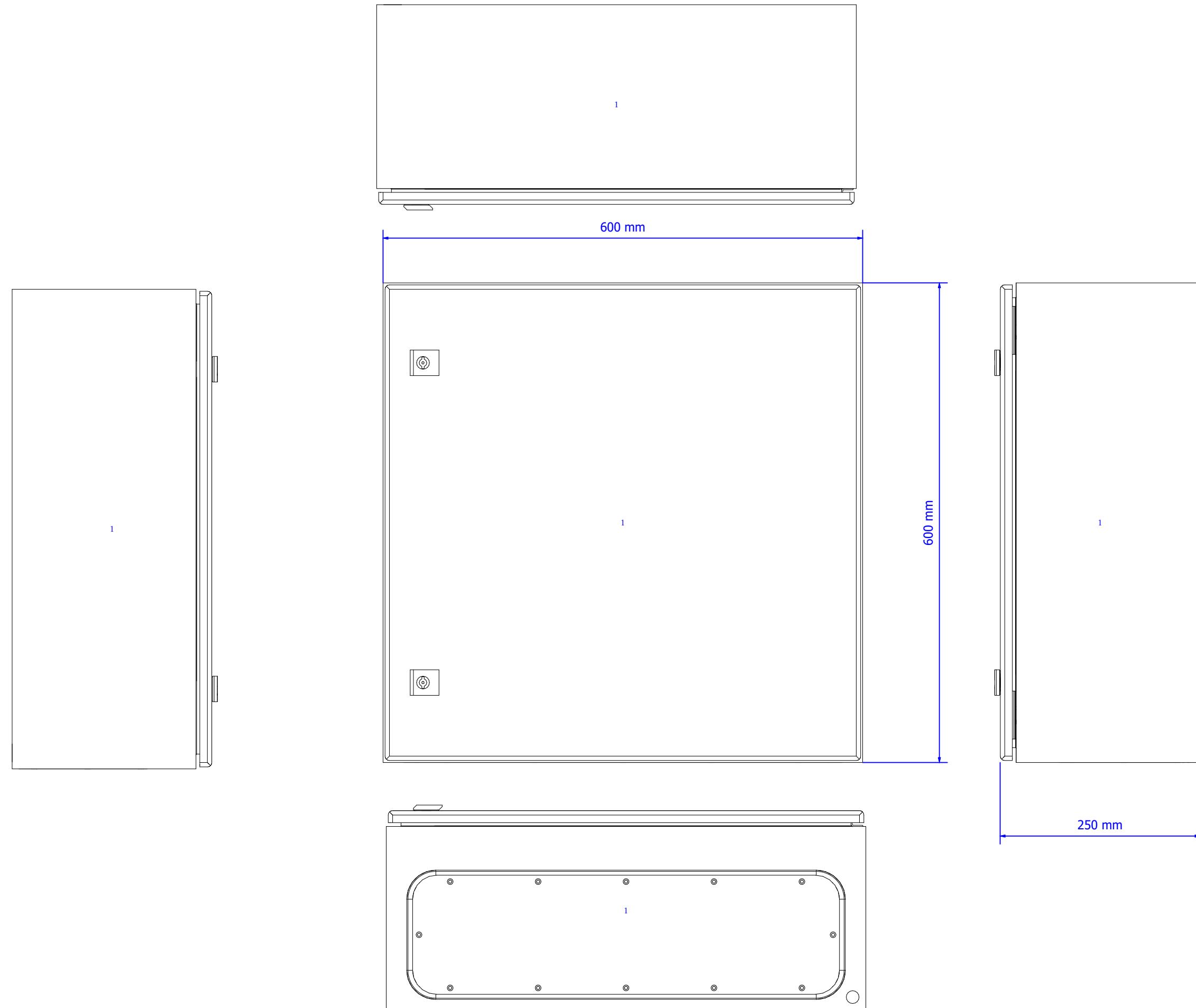
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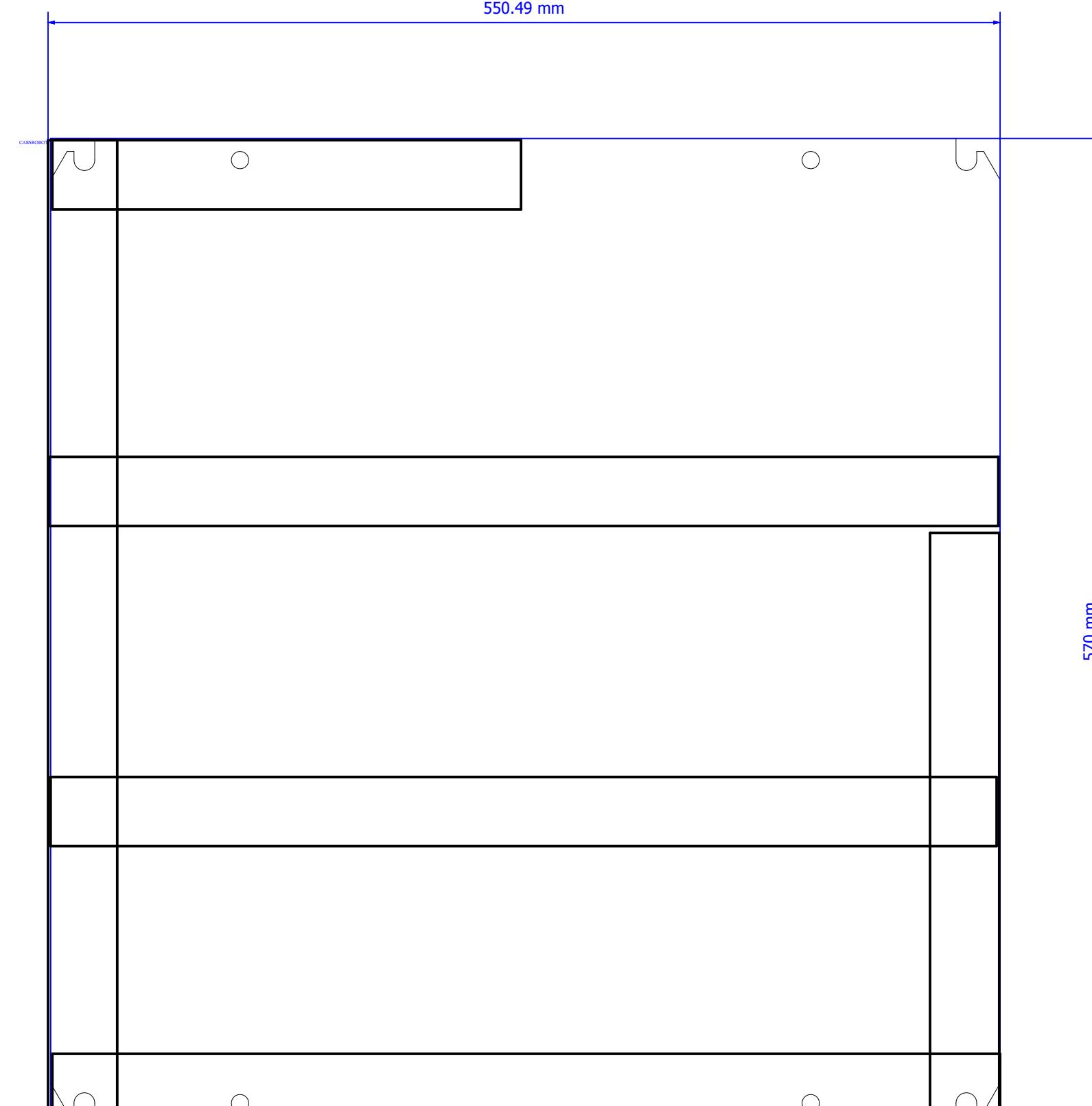


				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	REMOTE 4	+CAB 5	REMOTE 4(STATION 0)
				LGU1909					EPLAN Software & Service & HTL	CABINET & PLATE LAYOUT
		Name	Status						GmbH & Co. KG	
									LEAR CORPORATION	Plantilla de proyecto con estructura de designación según los estándares E501

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				09/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol. Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	REMOTE 4	+CAB 5	REMOTE 4(STATION 0)
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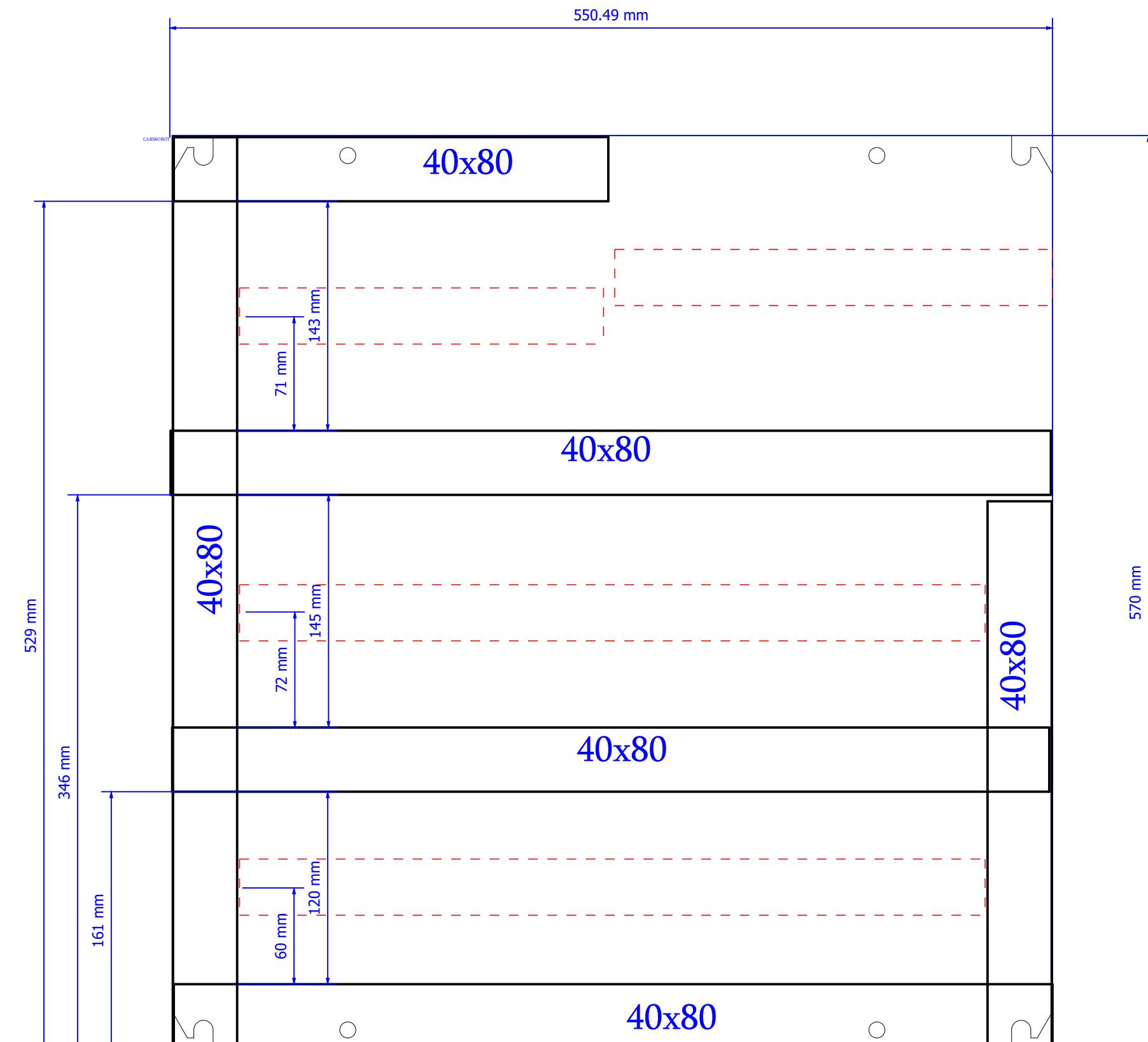


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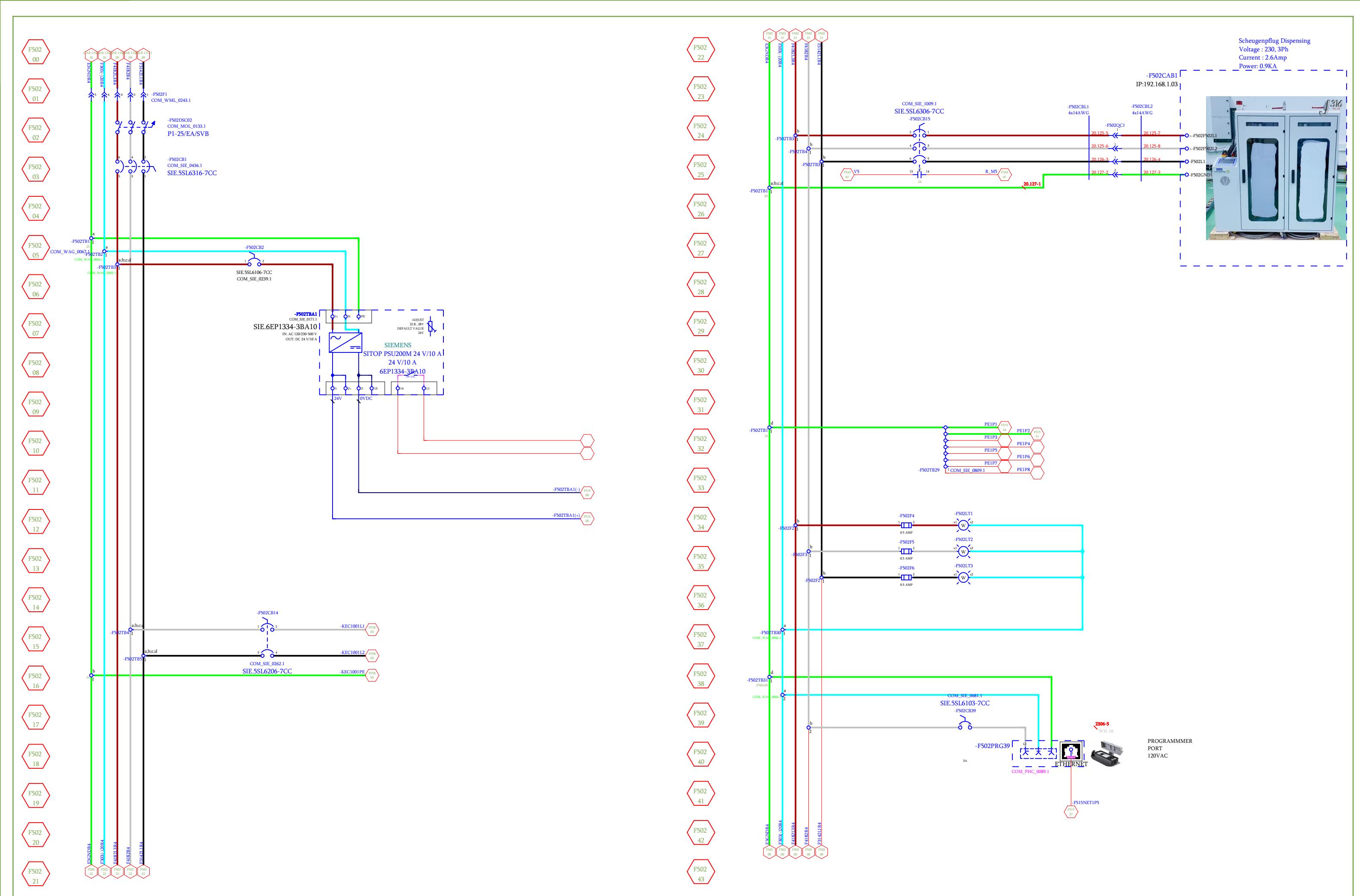
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		Name	Status						GmbH & Co. ^{DE}	



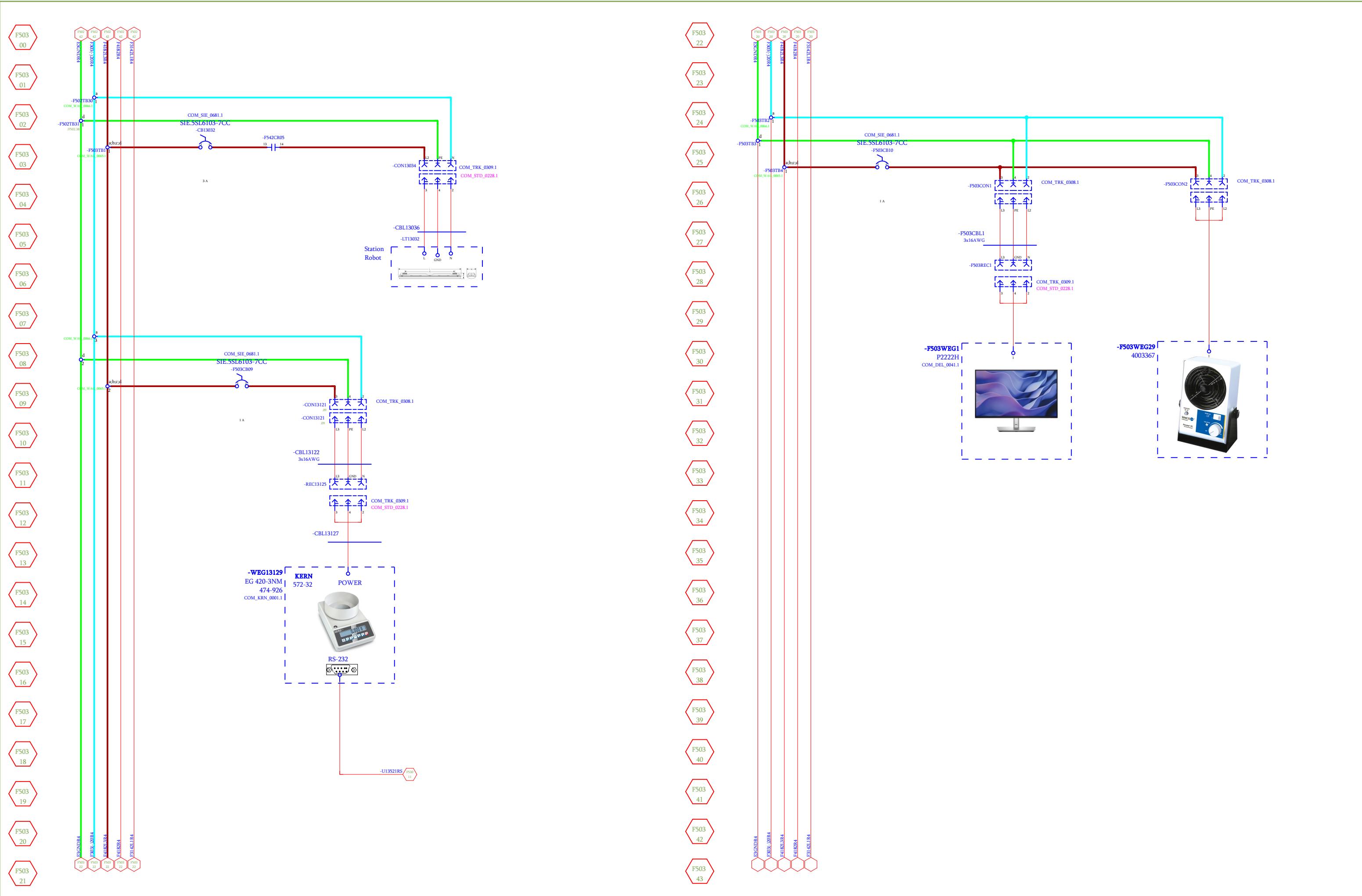
Plantilla de proyecto con estructura de designación según los estándares E503



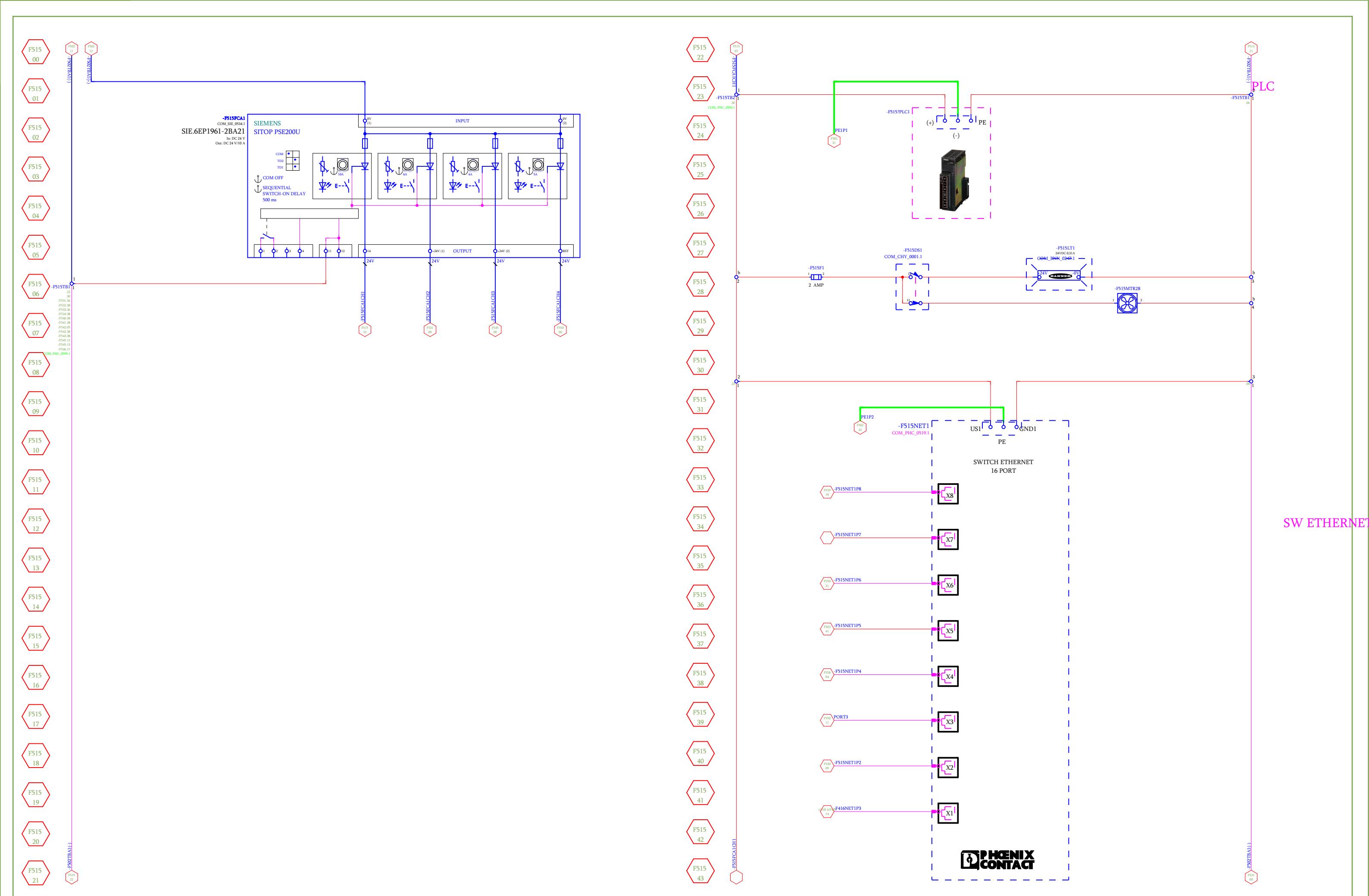
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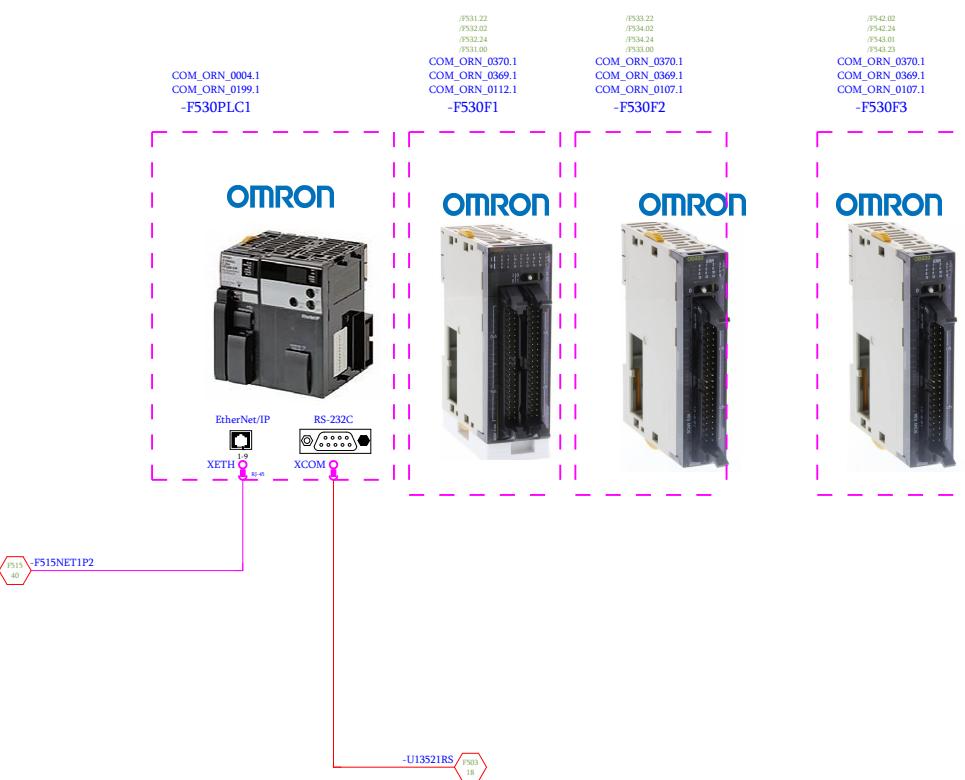
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									F502
		Name	Status						



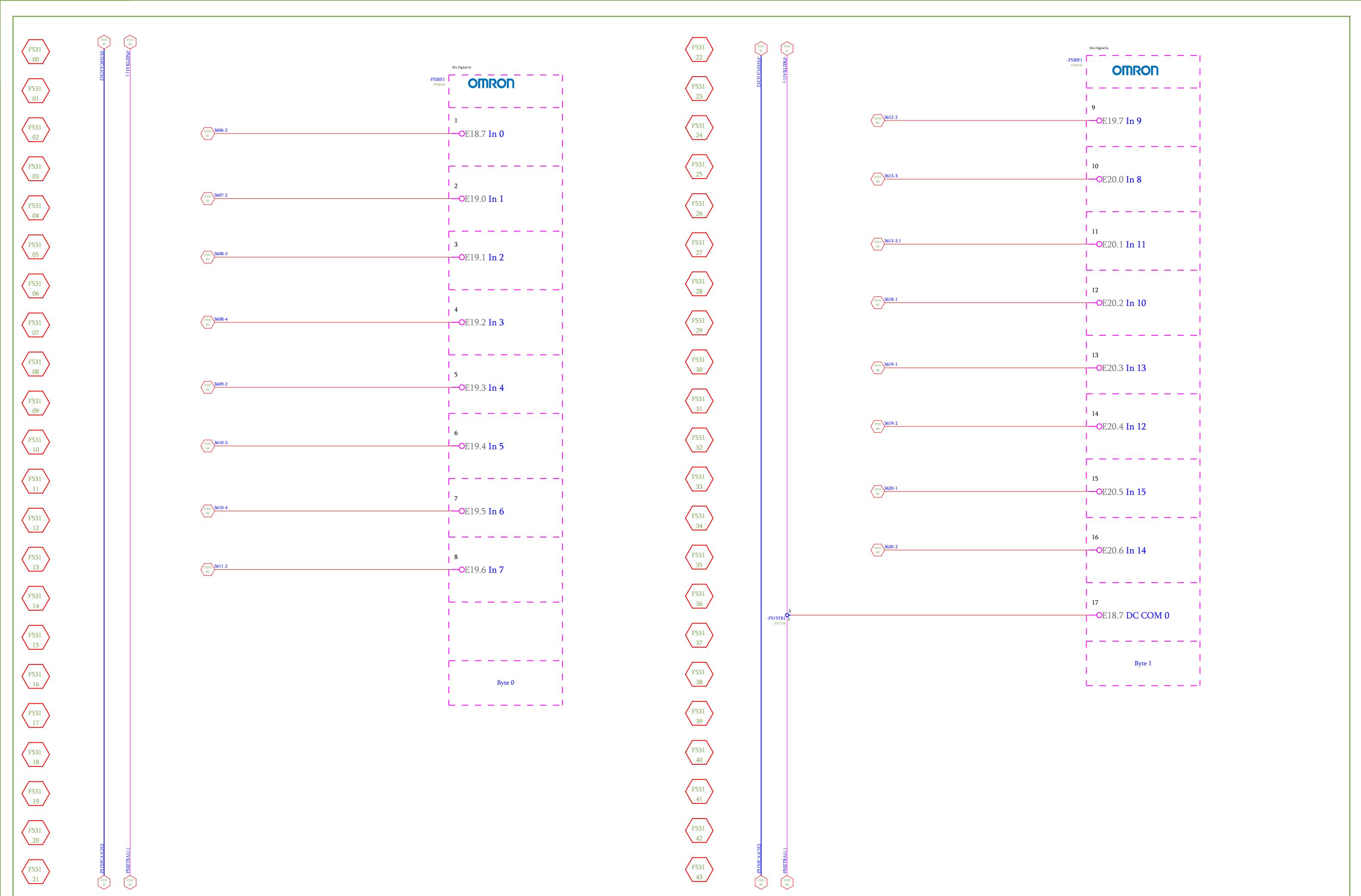
				16/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de	POWER SUPPLIED	+CAB 5	ELECTRICAL SCHEMATICS
				LGU1909					EPLAN Software & Service & EFS	
		Name	Status						GmbH & Co.	



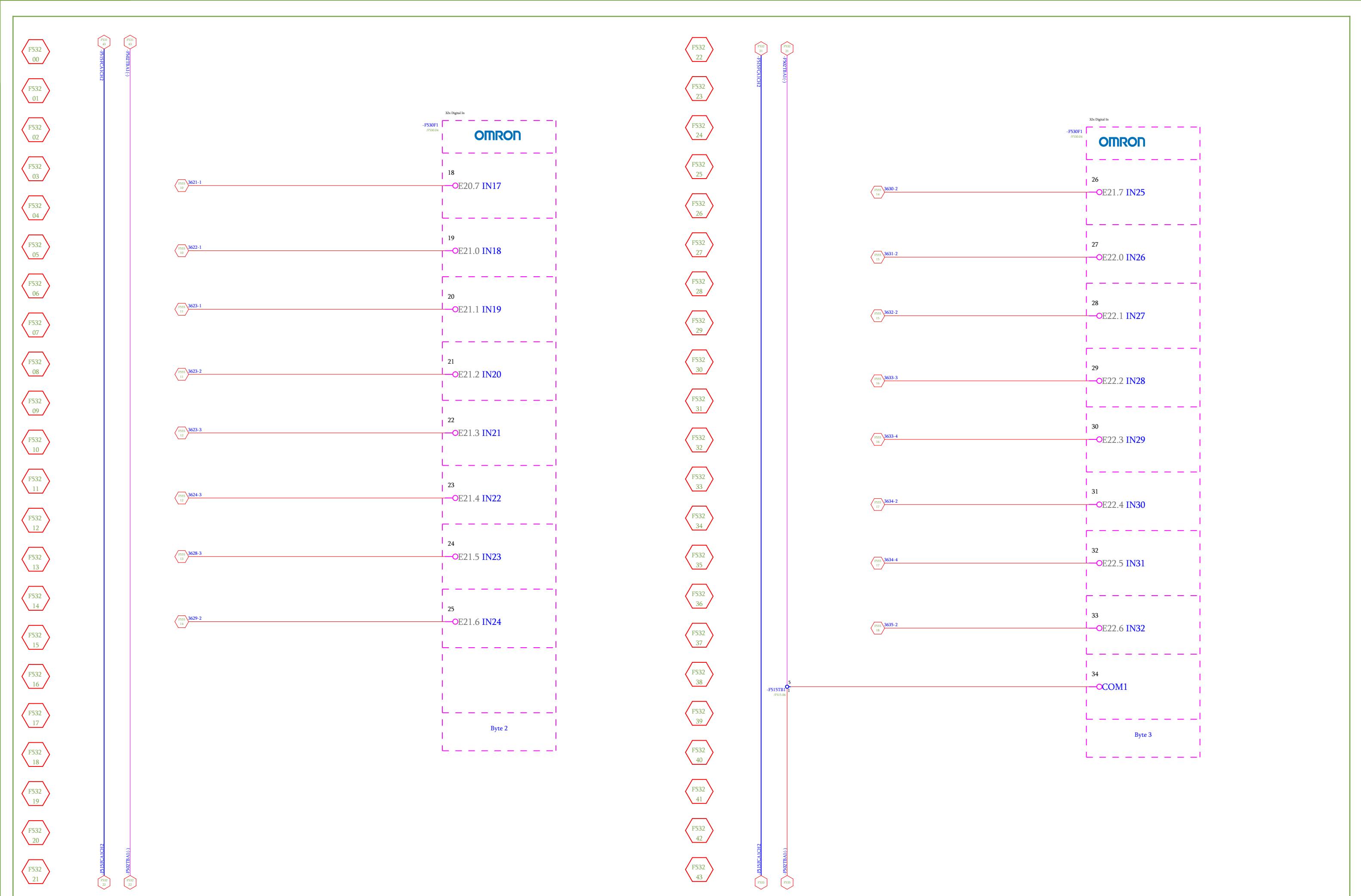
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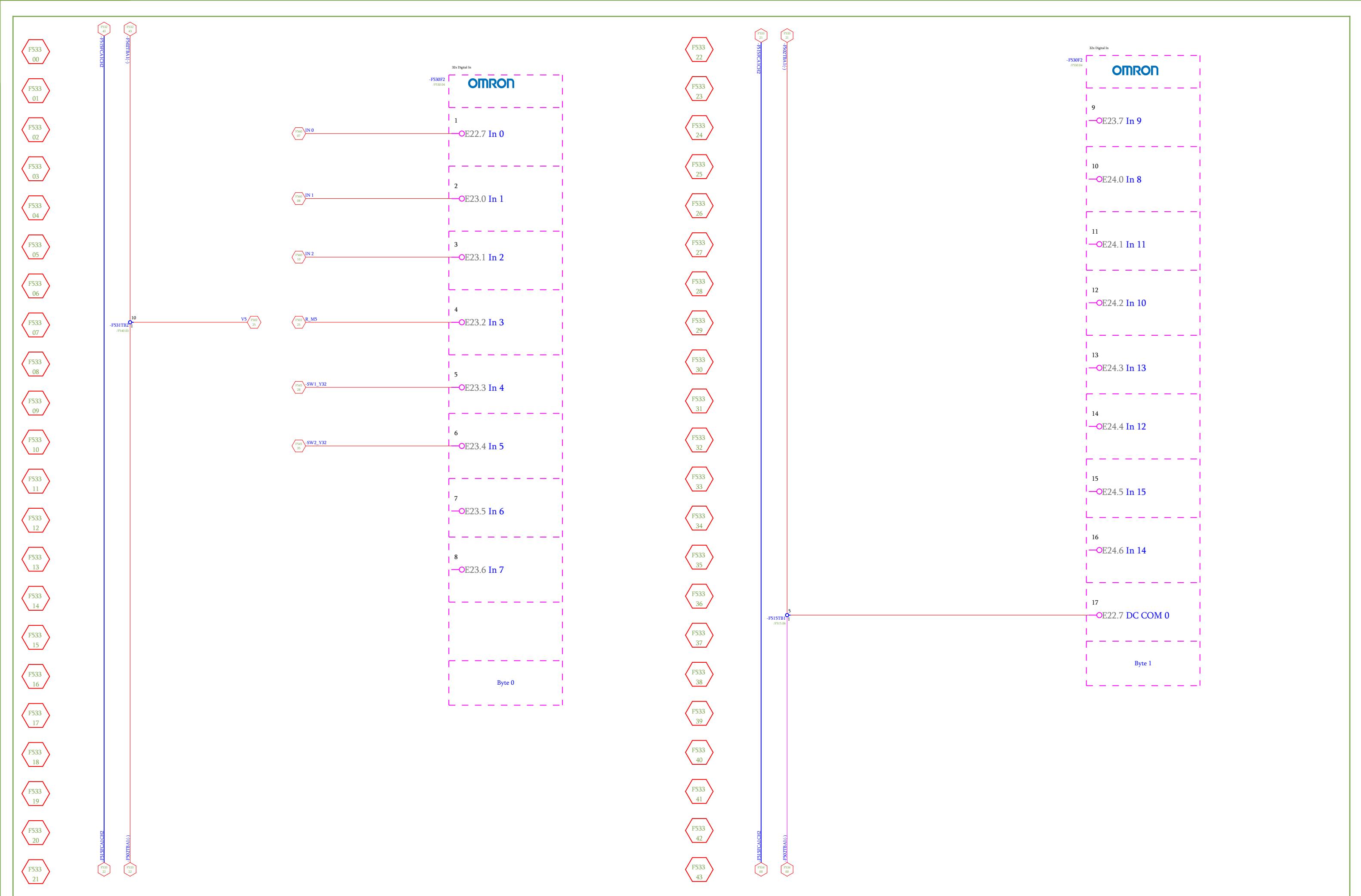
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				16/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC INPUT 1-16	+CAB 5	REMOTE 4(STATION 0)	
				LGU1909						EPLAN Software & Service & EFS	
	Name	Status								GmbH & Co. KG	
										LEAR CORPORATION	
										Plantilla de proyecto con estructura de designación según los estándares F6N	



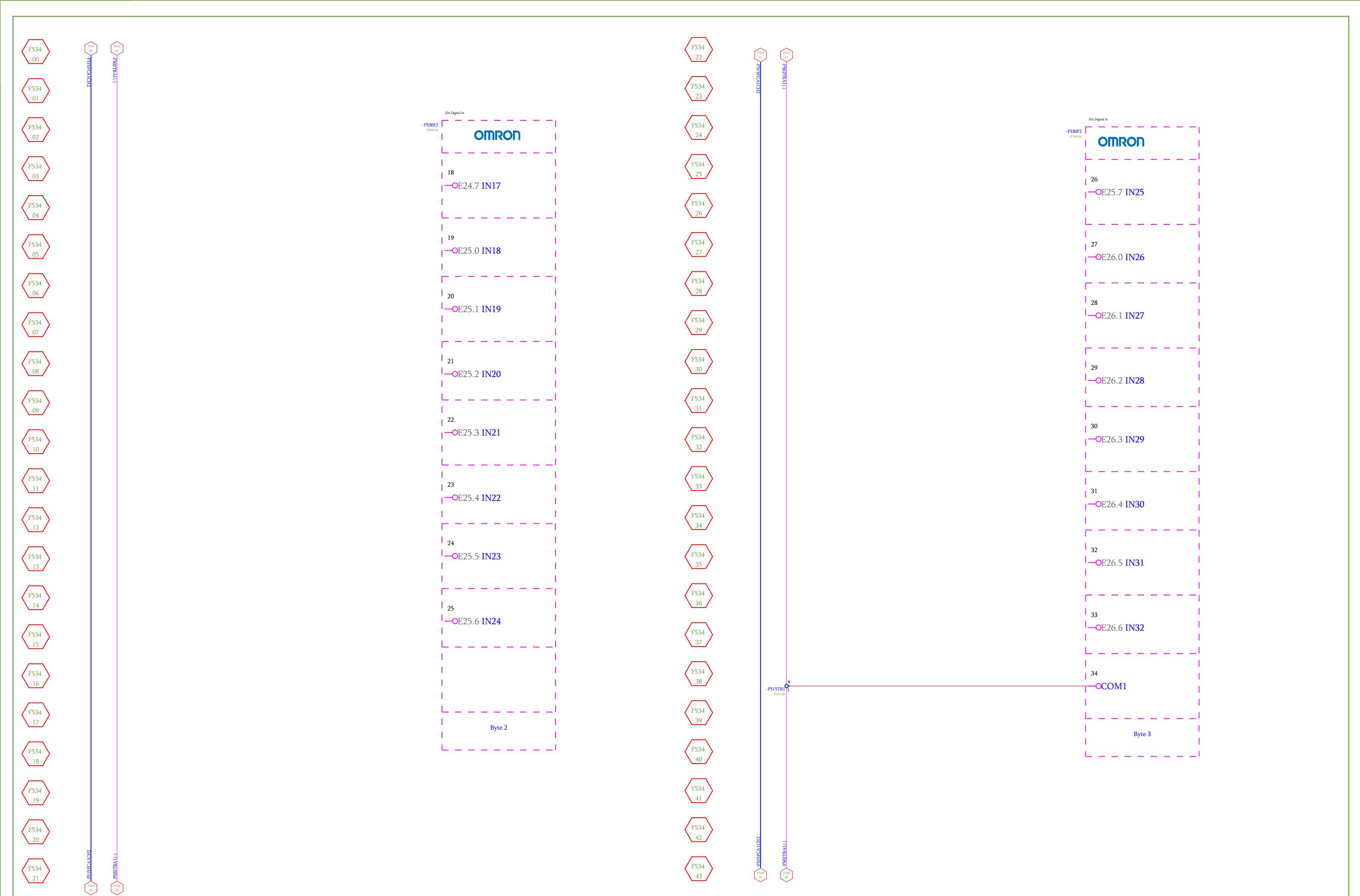
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				LGU1909						EPLAN Software & Service & EFS
	Name	Status							GmbH & Co. LTD	ELECTRICAL SCHEMATICS
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										Plantilla de proyecto con estructura de designación según los estándares F606



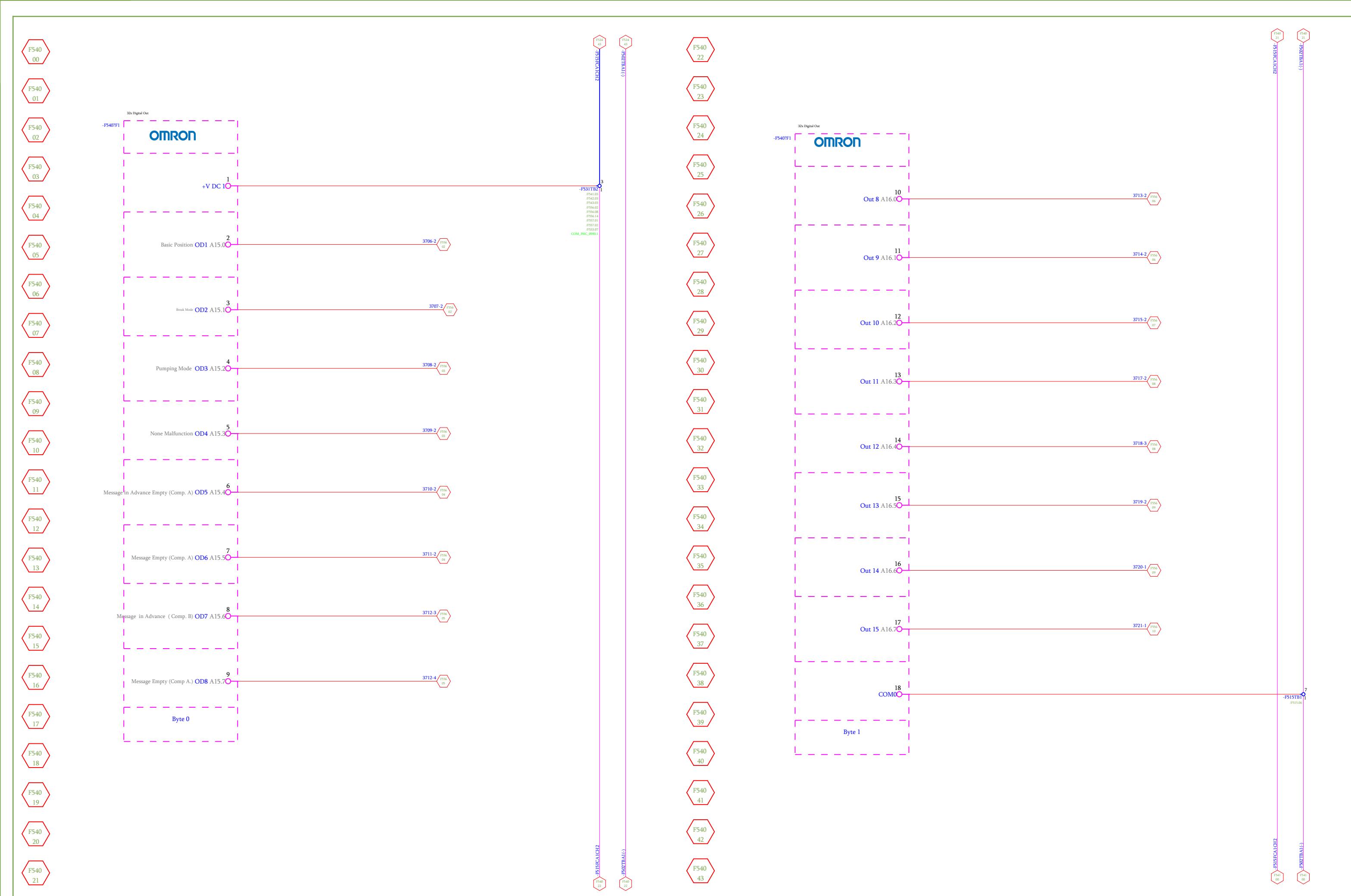
				16/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC INPUT 1-16	+CAB 5 EPLAN Software & Service & EFS GmbH & Co. KG	+CAB 5	REMOTE 4(STATION 0)
				LGU1909						EPLAN Software & Service & EFS	ELECTRICAL SCHEMATICS
		Name	Status							GmbH & Co. KG	F533



Plantilla de proyecto con estructura de designación según los estándares F533



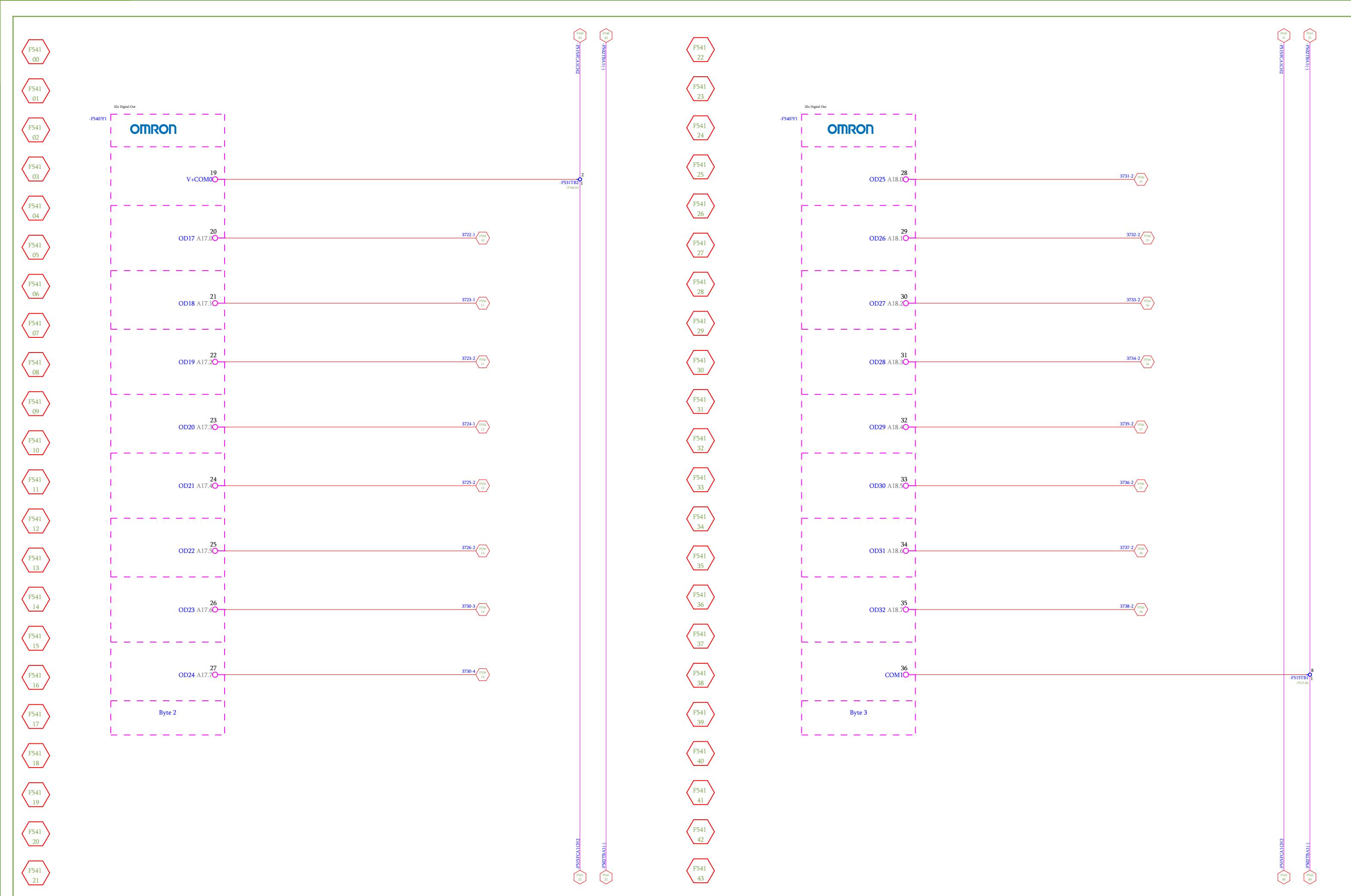
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC INPUT 17-32	+CAB 5	REMOTE 4(STATION 0)	
				LGU1909						EPLAN Software & Service & EFS	
		Name	Status							GmbH & Co. LEAR CORPORATION	



				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC OUTPUT 1-16	+CAB 5	REMOTE 4(STATION 0)	
				LGU1909						EPLAN Software & Service & EFS	
				Name Status						GmbH & Co. LTD	ELECTRICAL SCHEMATICS



Plantilla de proyecto con estructura de designación según los estándares F40N

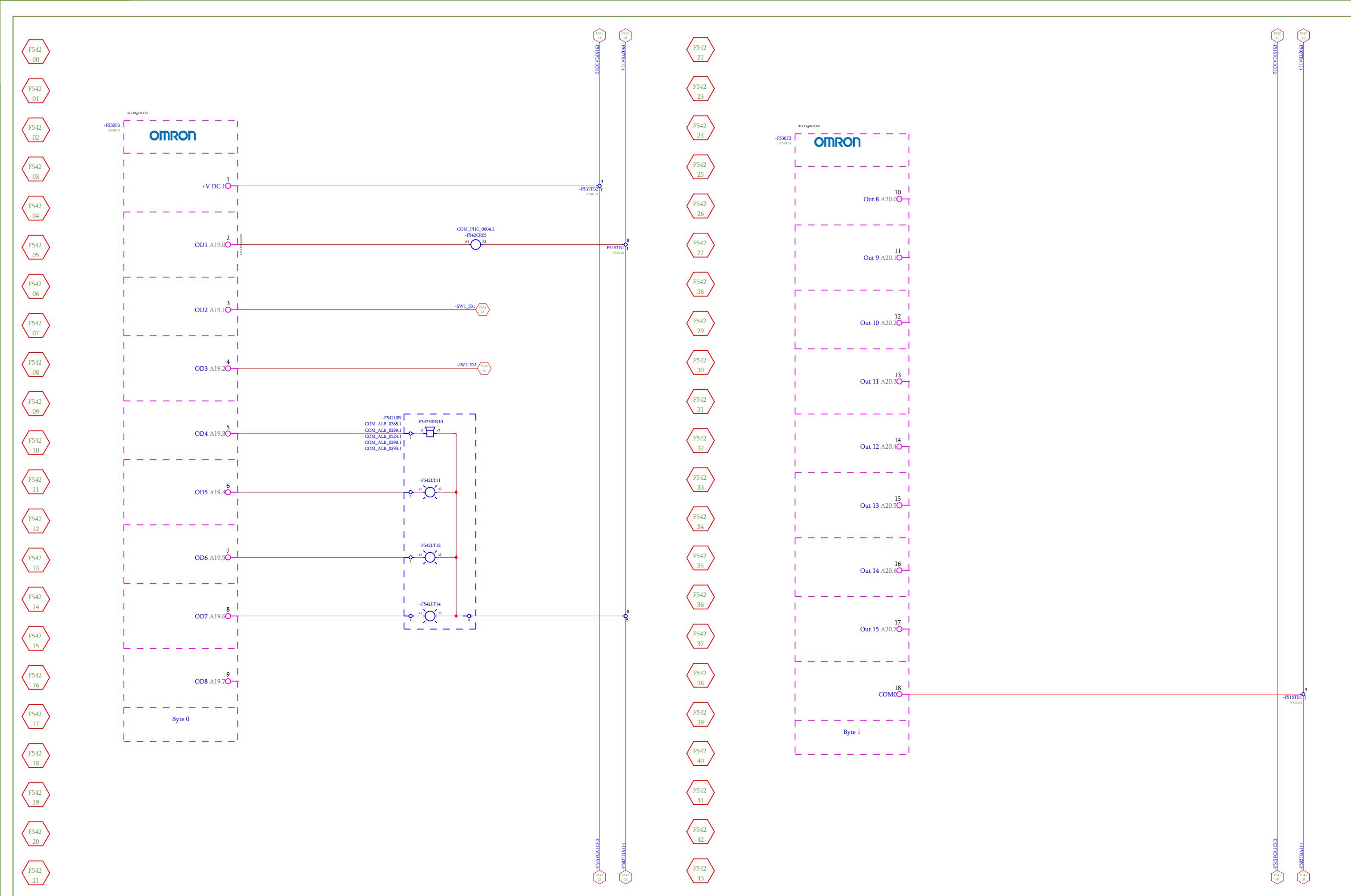


				16/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC OUTPUT 17-32	+REMOTE 4(STATION 0)
				LGU1909					+CAB 5 EPLAN Software & Service & EFS GmbH & Co. KG
		Name	Status						ELECTRICAL SCHEMATICS

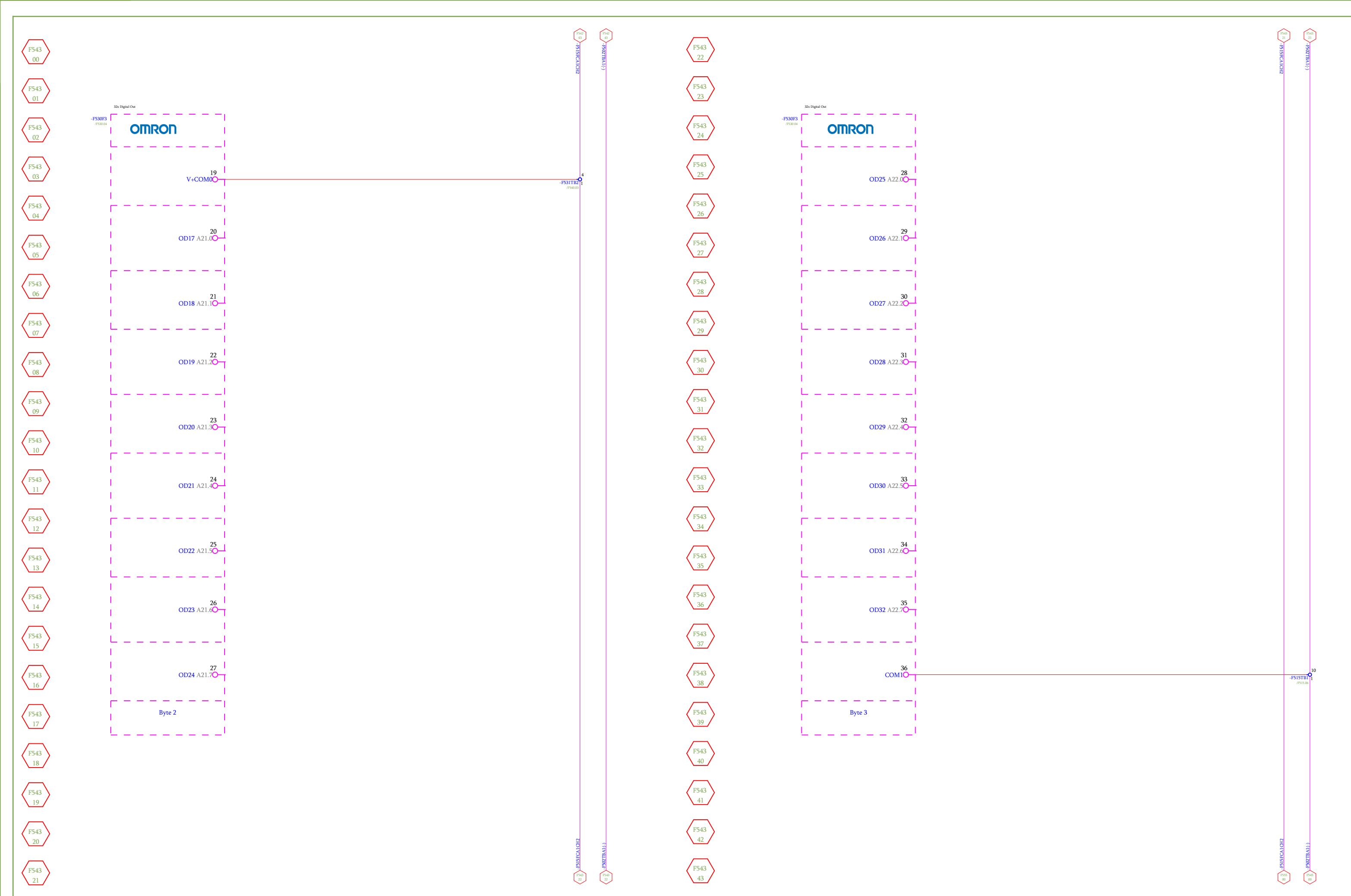


Plantilla de proyecto con estructura de designación según los estándares F6N

F541

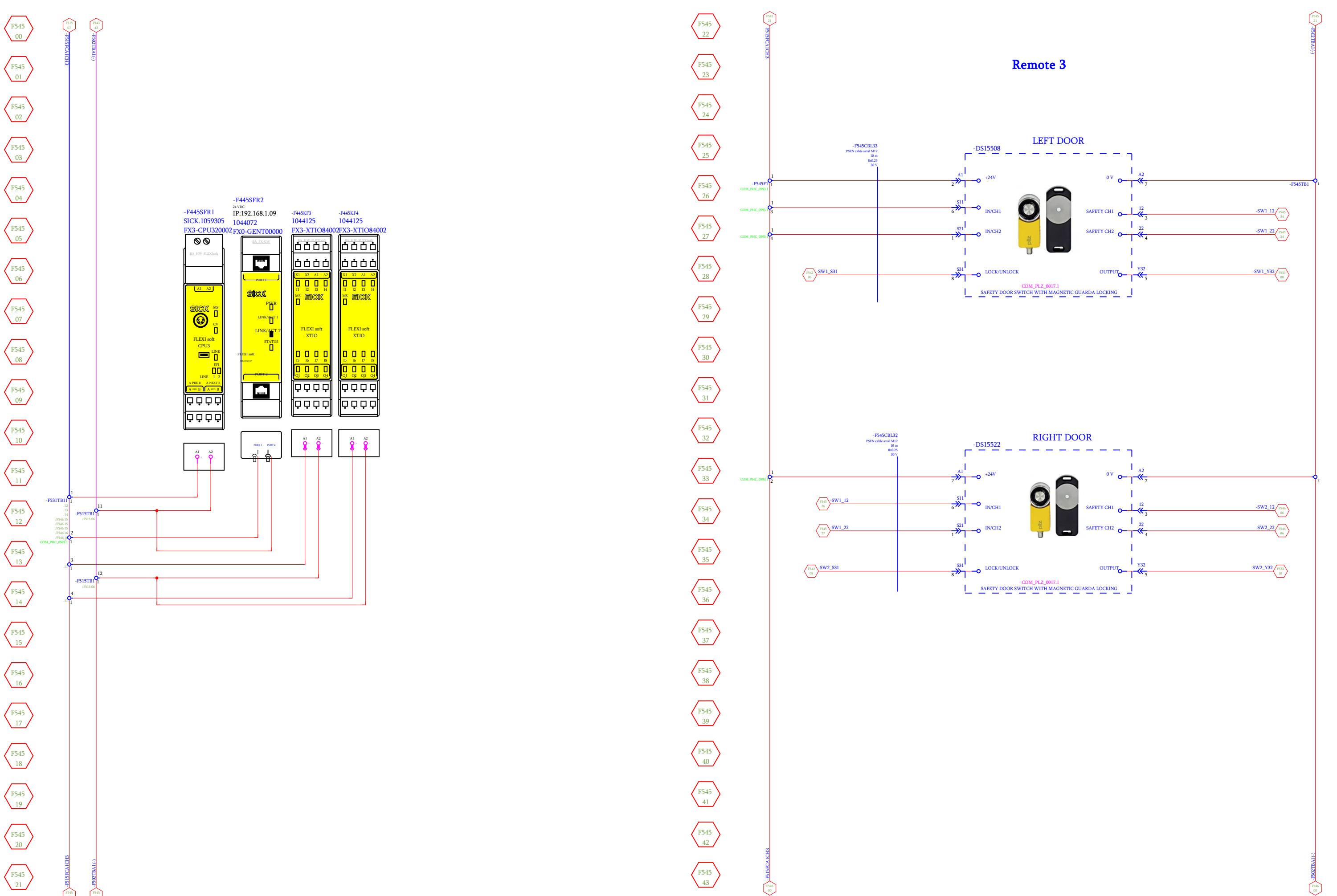


				16/07/2025	IPT [®] Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC OUTPUT 1-16	+CAB 5	REMOTE 4(STATION 0)	
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				Name Status					GmbH & Co.	Plantilla de proyecto con estructura de designación según los estándares F606	



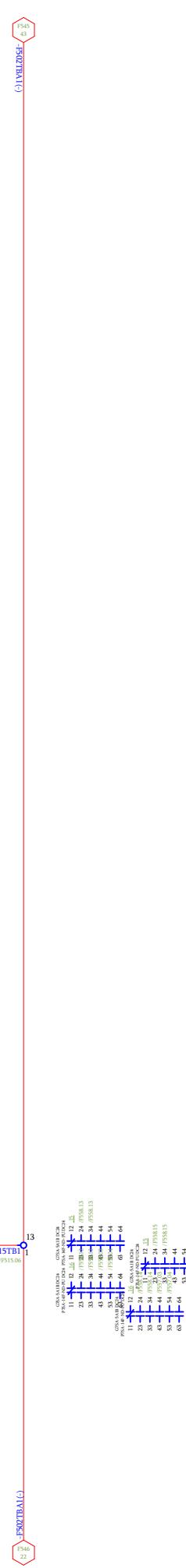
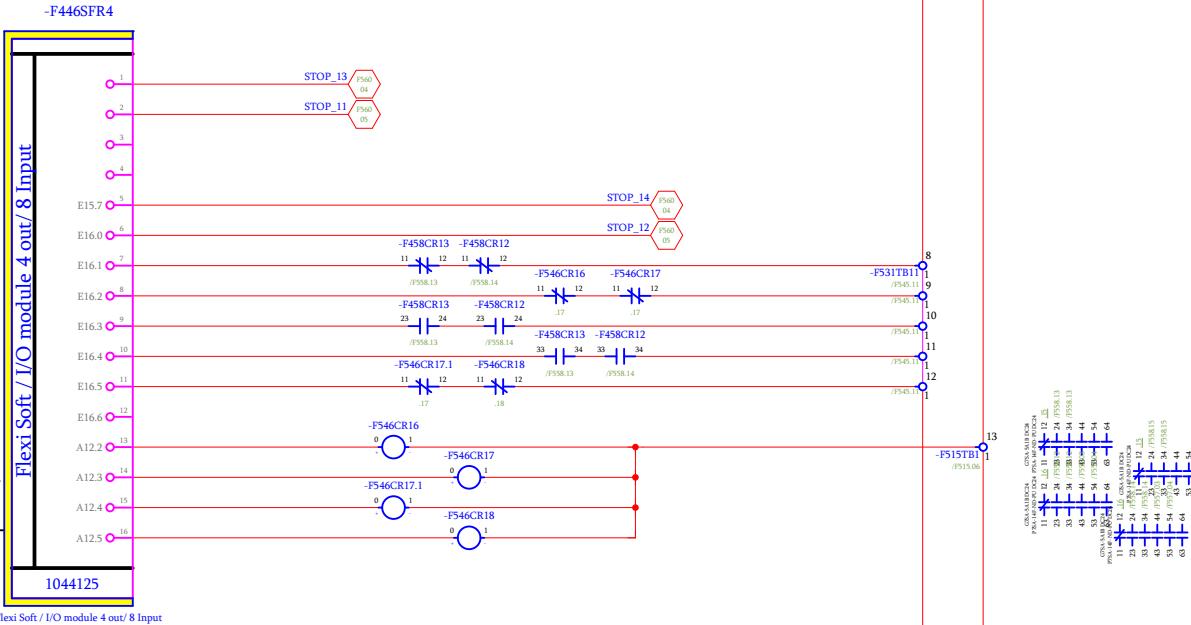
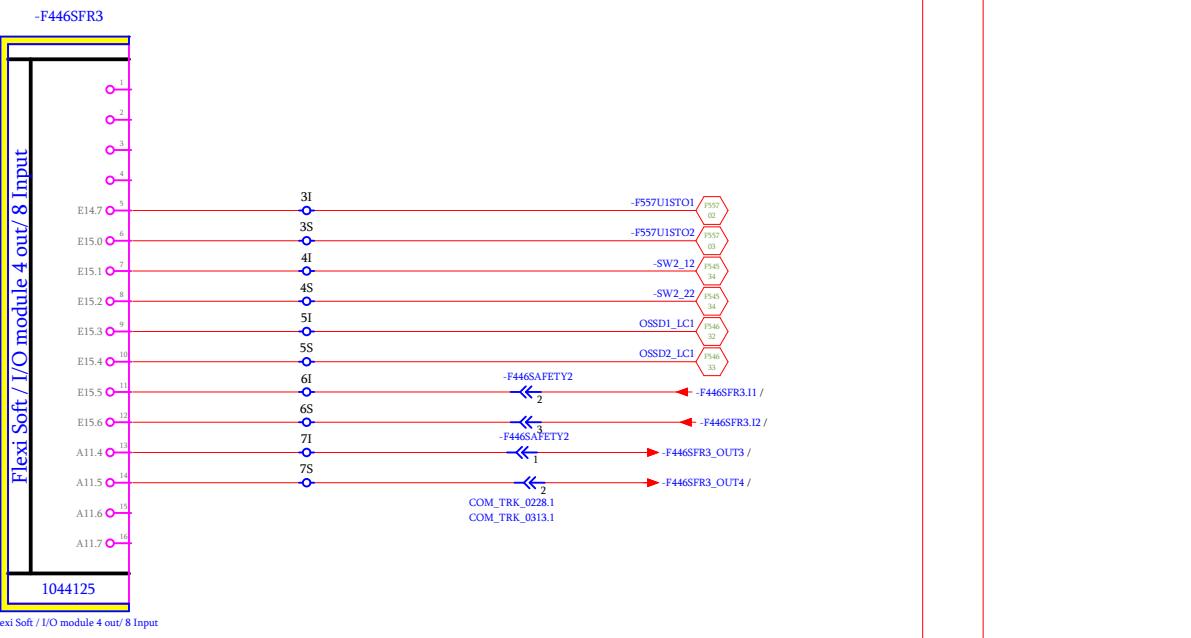
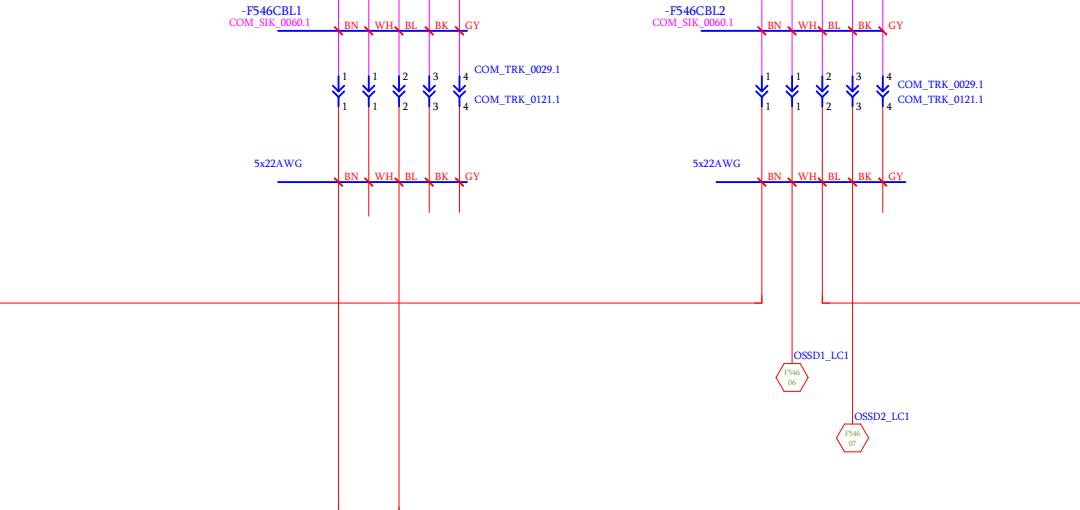
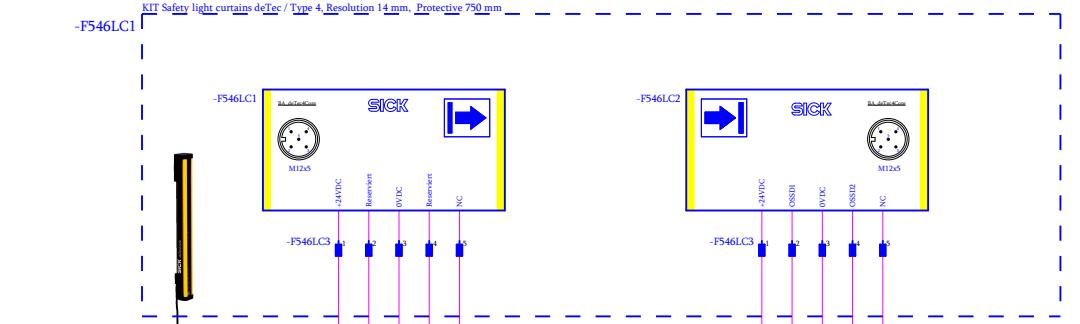
				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC OUTPUT 17-32	+CAB 5	REMOTE 4(STATION 0)
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		Name	Status						GmbH & Co. LTD	F543

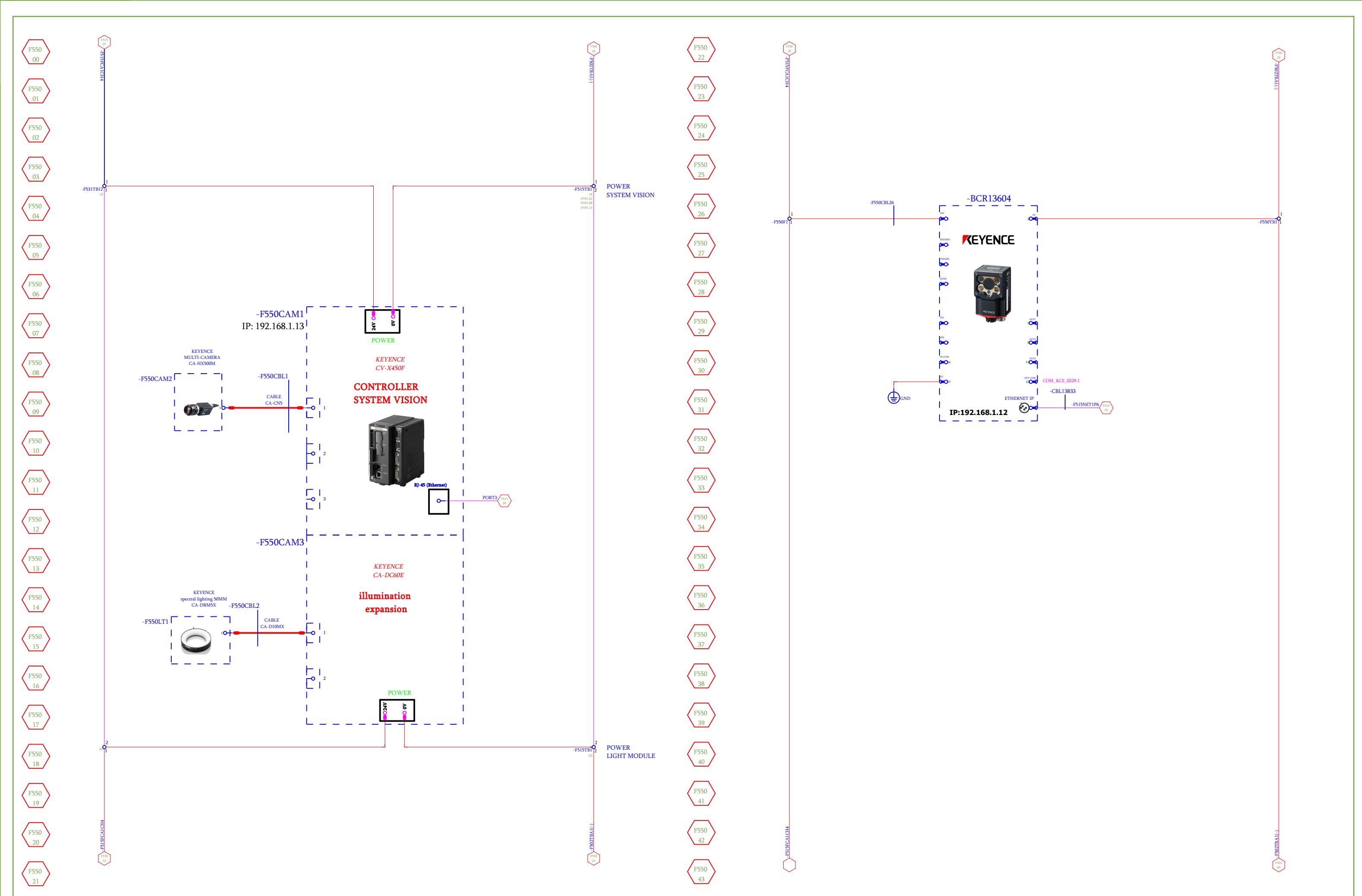
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				16/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone: +34 977 271 054 Fax: +34 977 079 455 www.ippe.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	PLC SAFETY	+CAB 5	REMOTE 4(STATION 0)
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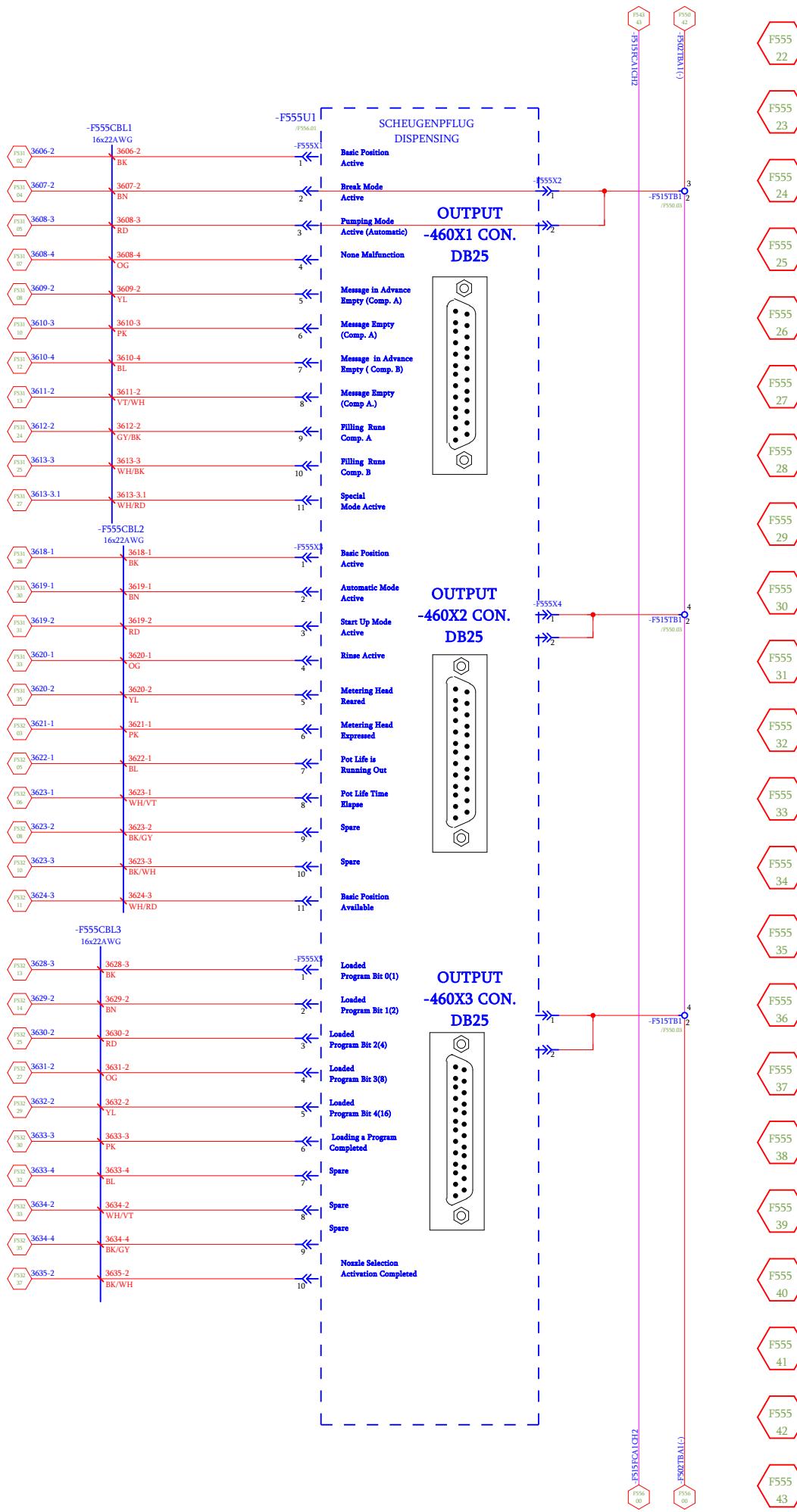
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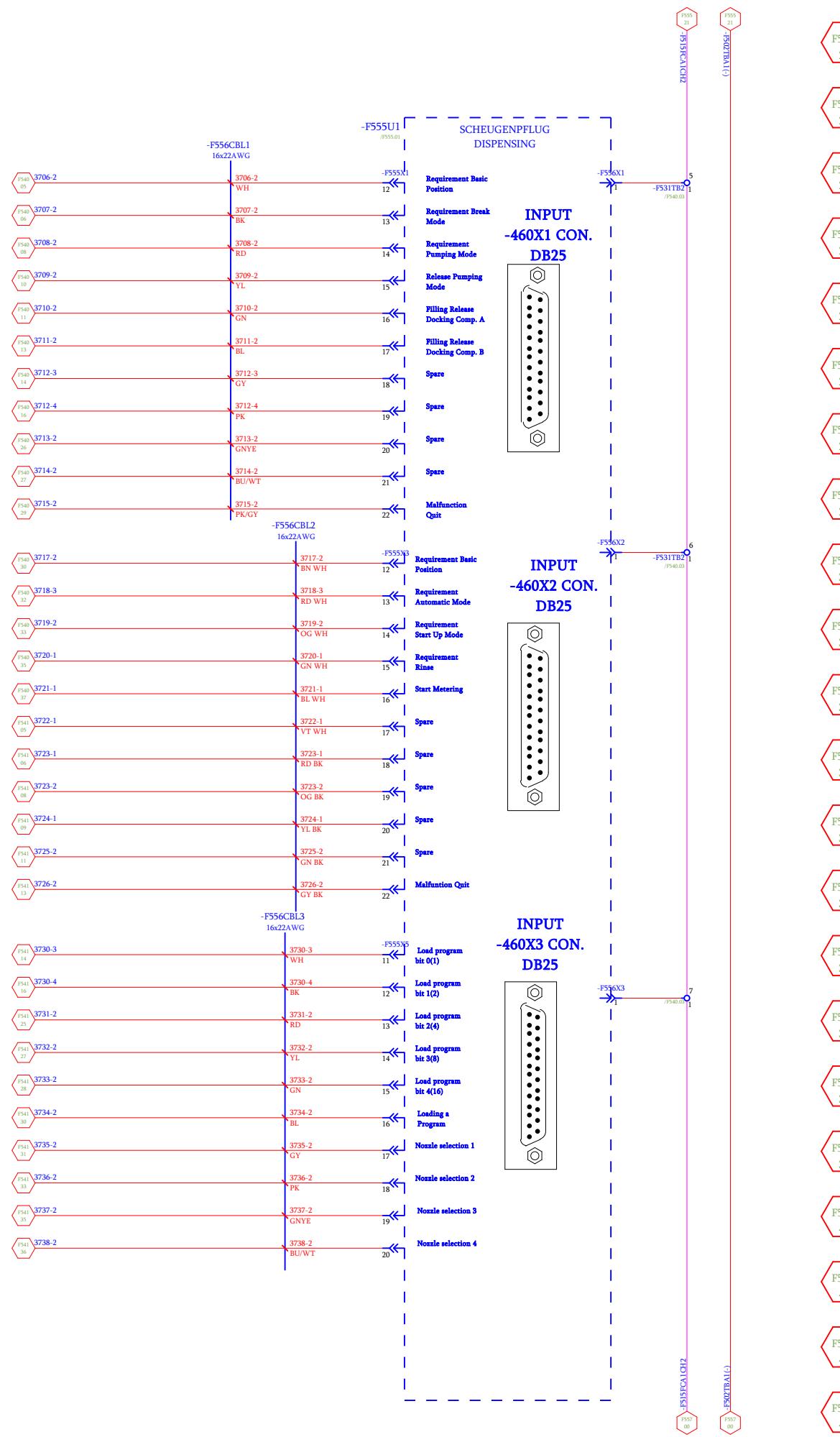
				16/07/2025	 <p>IPTE Experts in factory automation</p> <p>IPTE Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain</p> <p>Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ipte.com</p> <p>Project number NFPA_tpl001</p>	<p>Plantilla de proyecto con estructura de vision sistem</p>	<p>+CAB 5 &EFS</p> <p>EPLAN Software & Service GmbH & Co. KG</p> <p> LEAR CORPORATION</p>	<p>REMOTE 4(STATION 0) ELECTRICAL SCHEMATICS F550</p>
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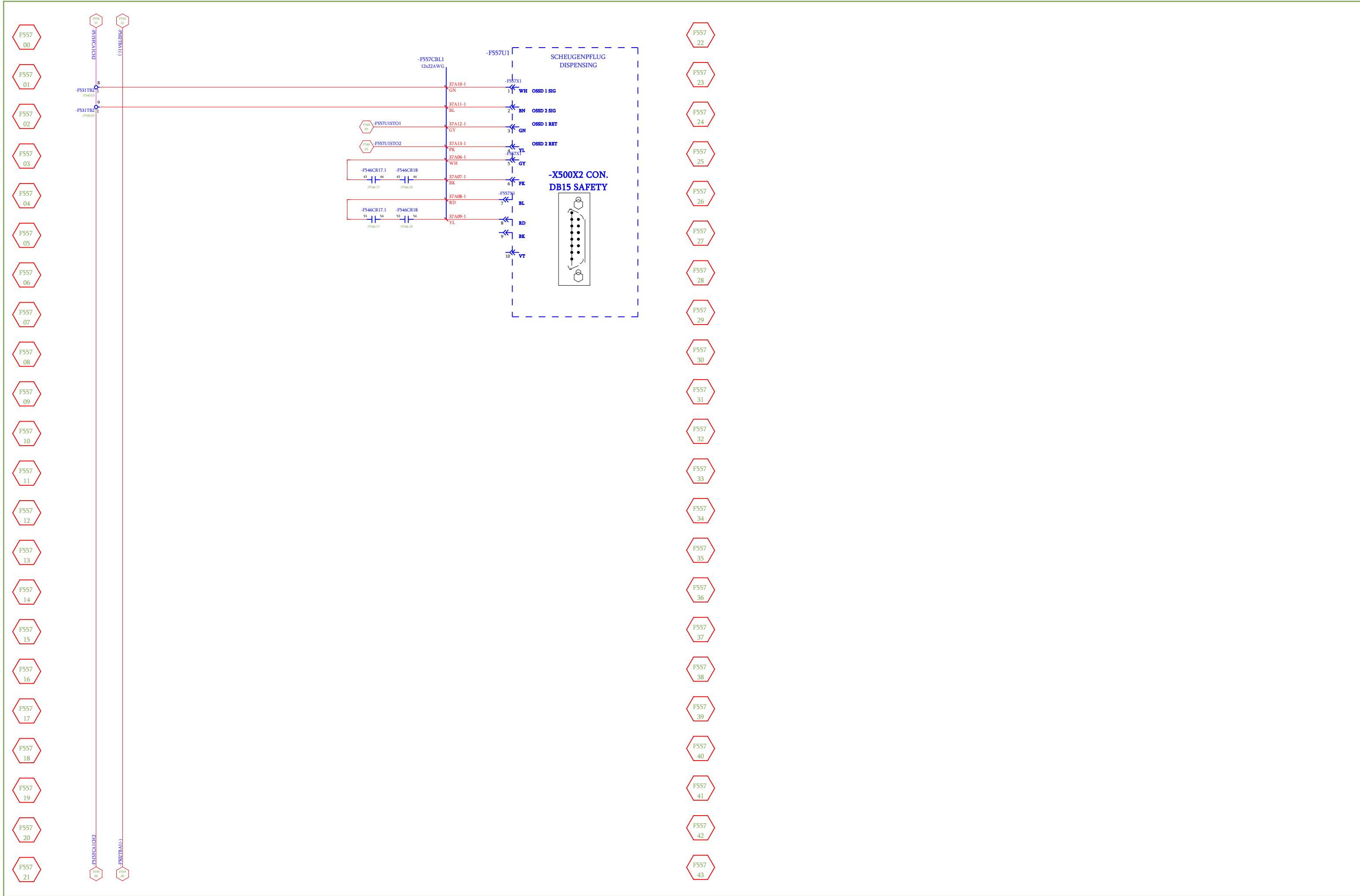
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				LGU1909					EPLAN Software & Service & EFS	ELECTRICAL SCHEMATICS
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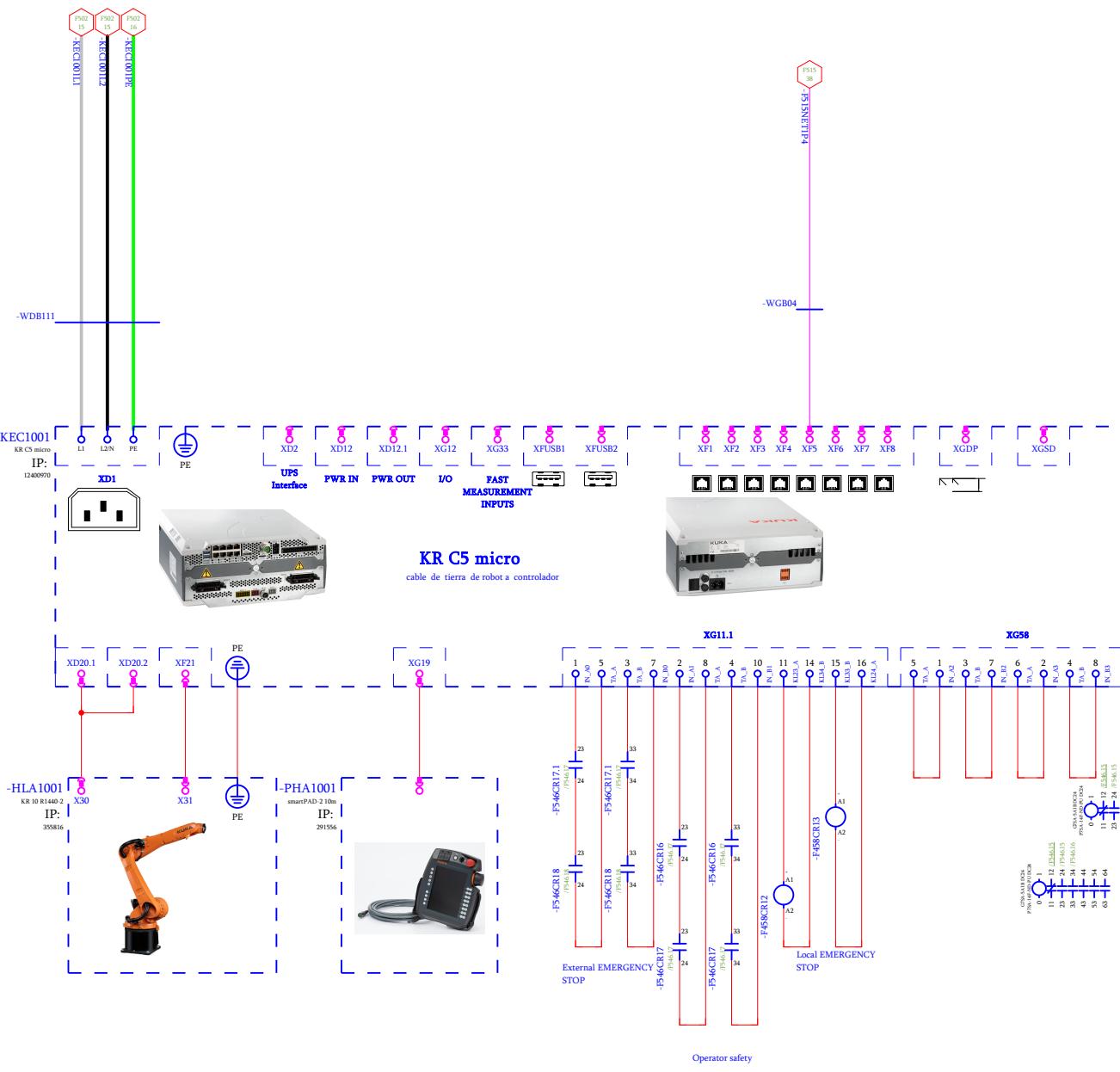




				09/07/2025	IPTE Experts in factory automation	C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain Phone.: +34 977 271 054 Fax: +34 977 079 455 www.ipte.com	Plantilla de proyecto con estructura de Project number NFPA_tpl001	SAFETY SCHEUGENPFLUG	+CAB 5 EPLAN Software & Service & EFS GmbH & Co. KG	+CAB 5	REMOTE 4(STATION 0)
				LGU1909						ELECTRICAL SCHEMATICS	
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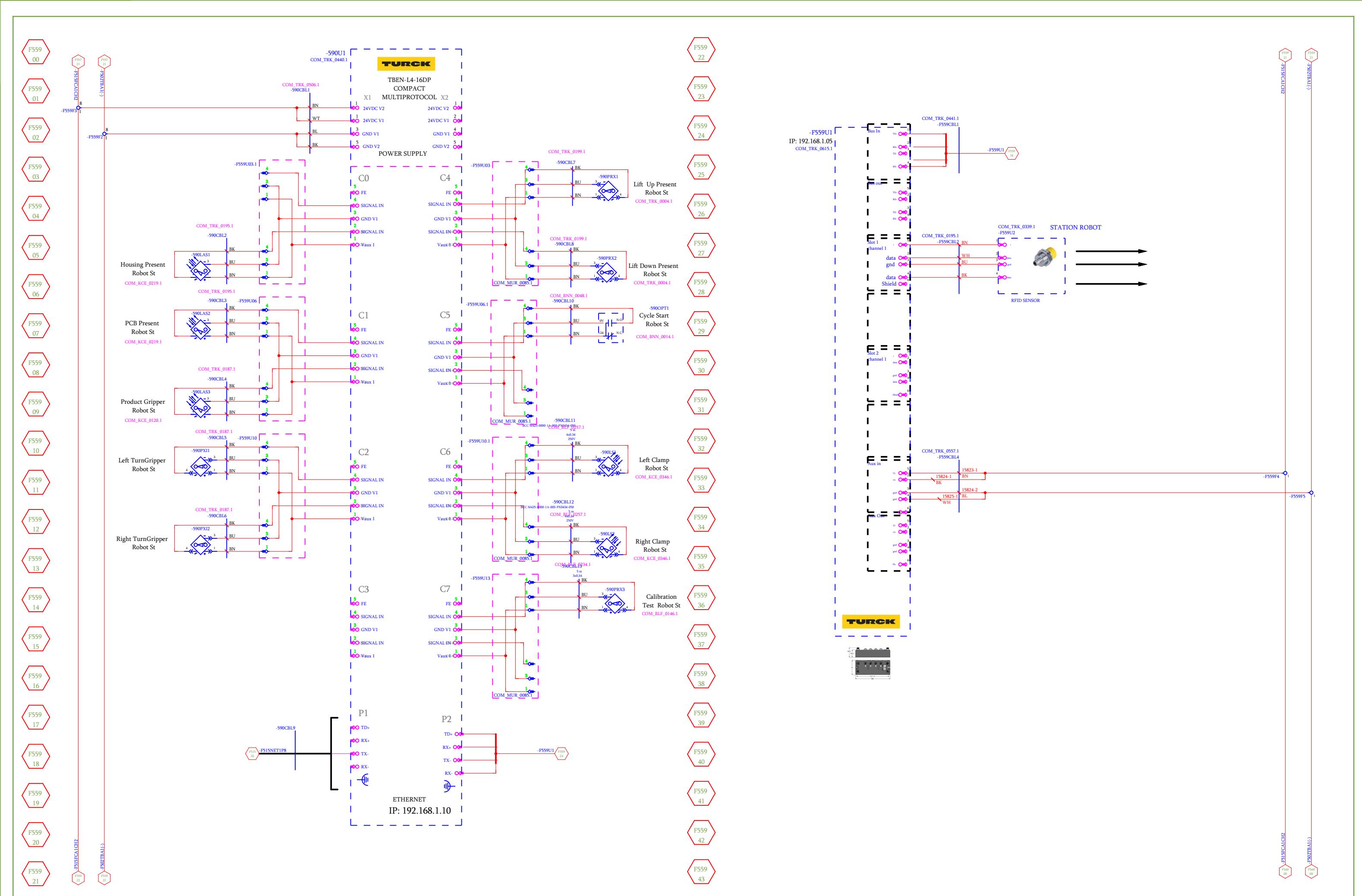
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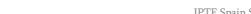
ROBOT CONTROLLER

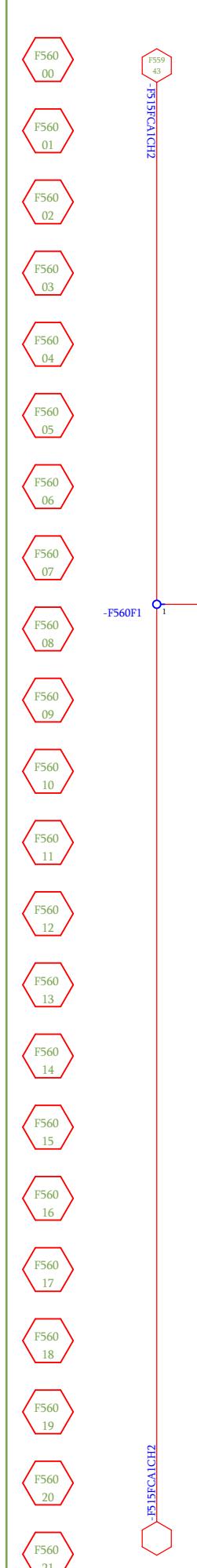
+CAB 5
EPLAN Software & Service & EFS
GmbH & Co.

REMOTE 4(STATION 0)
ELECTRICAL SCHEMATICS
Plantilla de proyecto con estructura de designación según los estándares F606

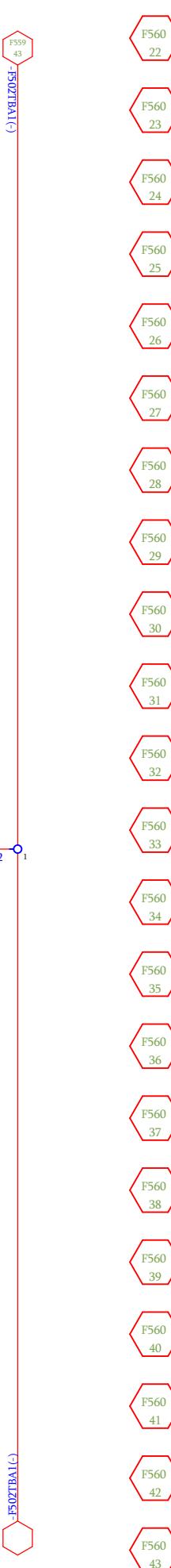
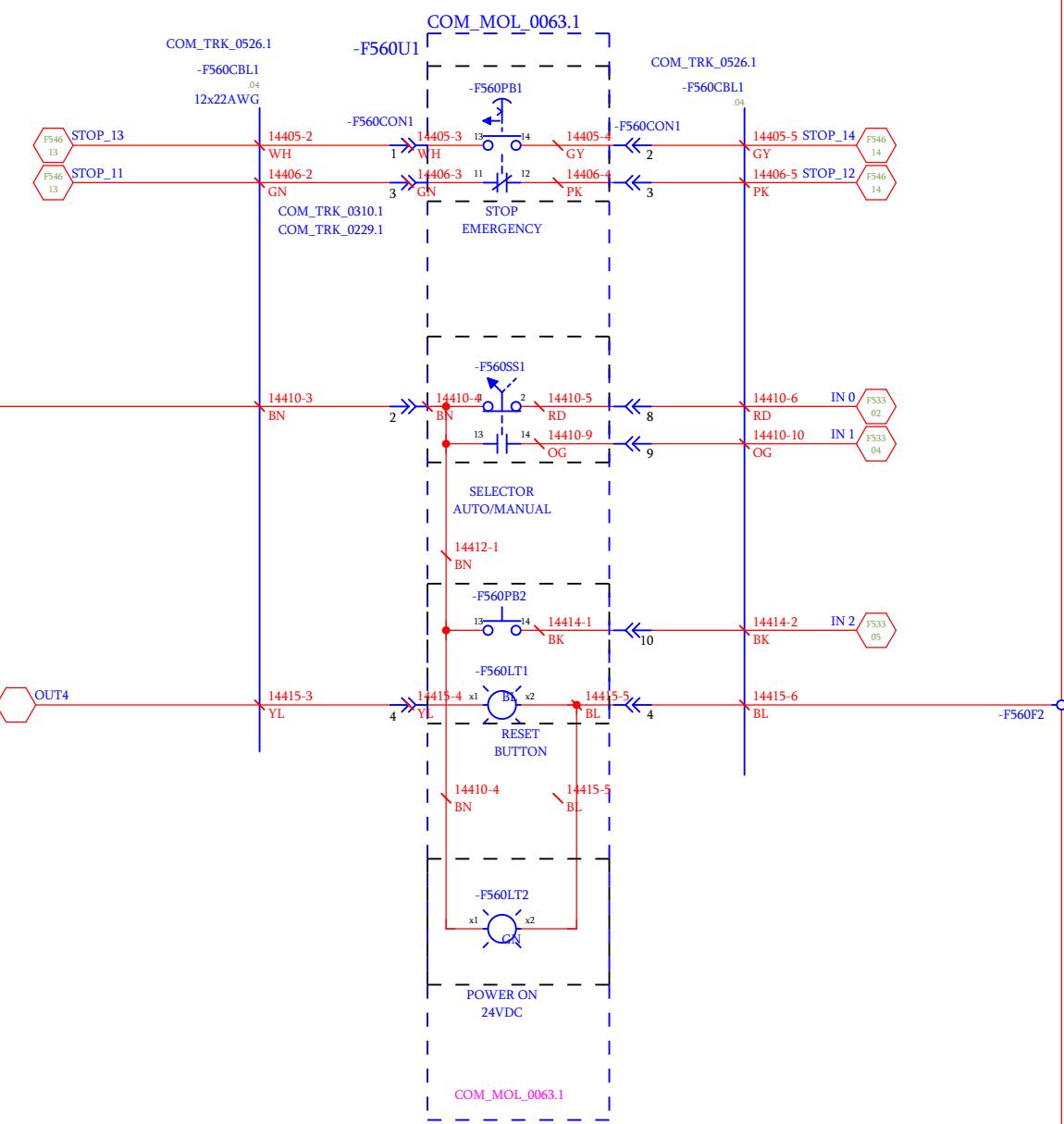
			16/07/2025
			LGU1909



				16/07/2025	 <p>IPTE Experts in factory automation</p> <p>IPTE Spain S.L.U C/Ignasi Iglesias 24, Pol.Ind Agro Reus 43206 Reus Spain</p> <p>Phone.: +34 977 271 054 Fax.: +34 977 079 455 www.ipte.com</p> <p>Project number NFPA_tpl001</p>	<p>Plantilla de proyecto con estructura de</p> <p>SENSOR DISTRIBUTION</p>	<p>+CAB 5</p> <p>EPLAN Software & Service &EFS</p> <p>GmbH & Co. KG</p> <p></p> <p>Plantilla de proyecto con estructura de designación según los estándares</p>	<p>REMOTE 4(STATION 0)</p> <p>ELECTRICAL SCHEMATICS</p> <p>F559</p>
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		Name	Status					



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